

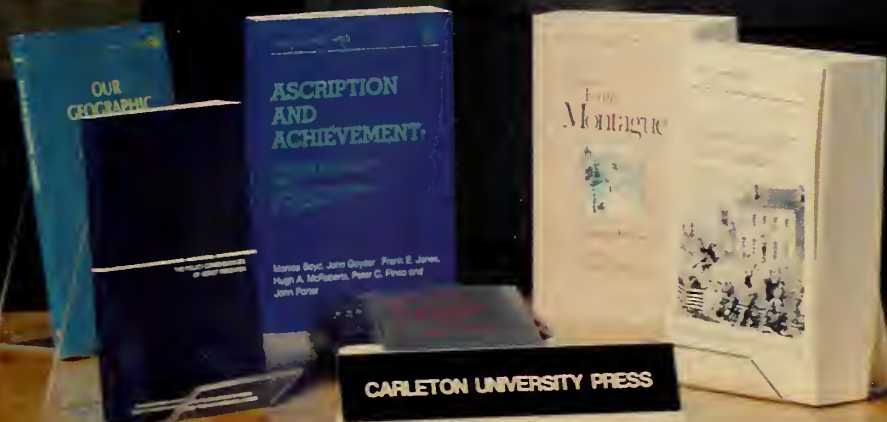
# ALUMNI NEWS

## CARLETON UNIVERSITY

Volume 6, Number 1  
May 1986

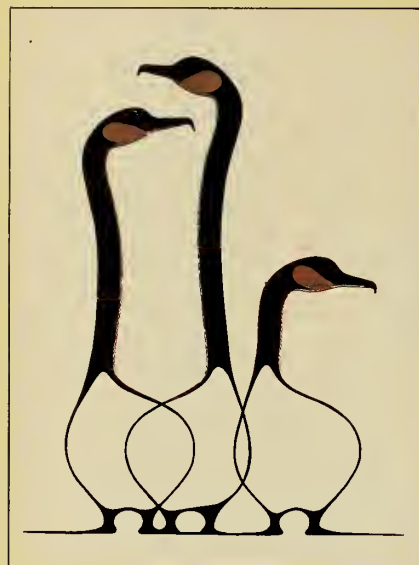
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# Woodland Indian Artist Benjamin Chee Chee

Alumni Media is pleased to present 9 reproductions of works by the late Benjamin Chee Chee.  
These are the only reproductions authorized by the artist's estate.



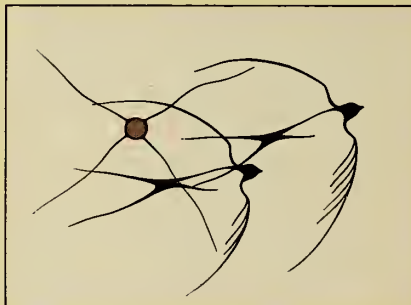
A Friends

A mainly self-taught artist, Chee Chee was a prominent member of the second generation of woodland Indian painters.

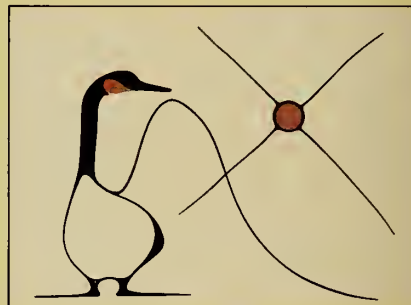
Unlike many of his contemporaries who employed direct and "primitive" means, Chee Chee's work was influenced by modern abstraction. His style reduced line and image in keeping with international modern art.

At the age of 32, at the height of his success, Chee Chee died tragically by suicide.

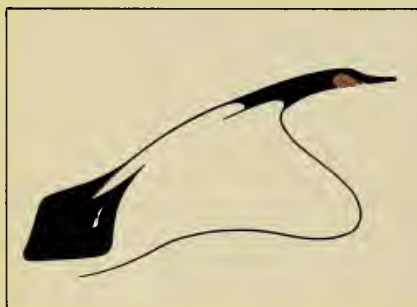
These reproductions are printed on high quality, textured stock and measure 48 cm x 61 cm (19"x24").



B Swallows



C Good Morning



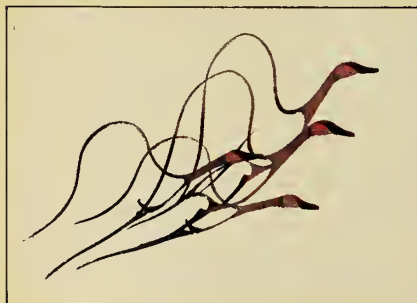
D Proud Male



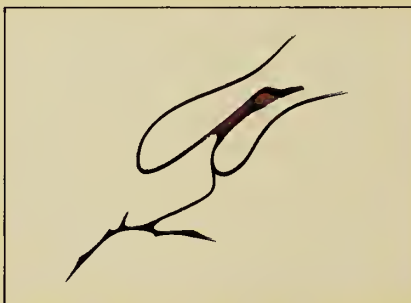
E Mother & Child



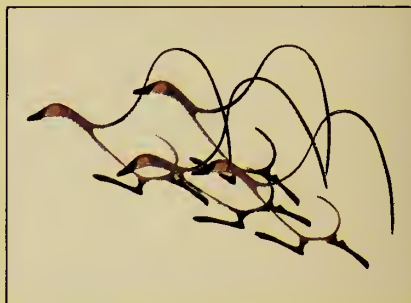
F Sun Bird



G Spring Flight



H Wait For Me



I Autumn Flight

Please send me the following Benjamin Chee Chee print reproductions at \$23.95 each or \$88.00 for any four, plus \$4.95 for handling and shipping (overseas: \$7.50). Ontario residents please add 7% sales tax to combined cost of print(s) plus shipping/handling.

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# ALUMNI WEEKEND

September 26-28, 1986

## *A weekend to remember*

This year, the Alumni Association is proud to sponsor Alumni Weekend earlier than ever before to showcase Carleton University at the height of the fall season. We invite you to share your amazing stories with friends, former classmates and professors from the University at the variety of entertaining and exciting functions that make up Alumni Weekend '86. Receptions, dinners, brunches, and a family-oriented activities day are all being organized to revive memories and the nostalgia of your student days in the breathtakingly beautiful colours of the campus in fall. I hope to see you here.

James Watson, BA/83  
Chairman, Alumni Weekend '86

## *Alumni Night*

Catch up on the latest with your former classmates and professors in the elegant surroundings of Ottawa's newest hotel, the Westin, on Friday, September 26. The Annual Meeting of the Alumni Association starts at 4:30 p.m. Reunion gatherings and pre-dinner receptions hosted by faculty start at 6 p.m. Dinner gets underway at 7:30. We'll present the A.D. Dunton Alumni Award to a graduate for outstanding achievement. Then there'll be music to entertain you and your friends through the rest of the evening.

## *Alumni Rally*

The unbeatable Crow Burger will be featured at the pre-game rally sponsored by the Old Crow Society on Saturday, September 27, starting at 11:30 a.m. It's your chance to get into the spirit for the game, and support the Old Crow Society in its efforts to boost the football program at Carleton.

## *Football Game*

Enjoy the best university football in the country when the Queen's Golden Gaels come to Carleton to take on the Ravens on Saturday, September 27 at 1 p.m. The University band and the Ravens' mascots lend colour and spirit to the game, and provide a feeling of camaraderie in a college atmosphere you just can't find anywhere else. Capture the magic of a day at the game, and give the Ravens a boost at the same time.



**CARLETON UNIVERSITY**  
**ALUMNI ASSOCIATION**

## *Sunday ~ Funday*

You and your family will have a splashing good time when the Athletics Centre opens its facilities free of charge to alumni on Sunday, September 28, from 11 a.m. to 2 p.m. A pool party. . . alumni-faculty softball challenges. . . mini squash and tennis lessons for you and your kids. . . and volleyball games are some of the activities being planned. Or you can just come and participate in activities on your own or with a friend. Professor Jack Graham will entertain the kids with his magic act. Tour the campus by horse-drawn wagon (weather permitting). And enjoy a barbecue to top the whole day off.

## *Farewell Brunch*

Linda MacLennan, Carleton BJ and popular co-host of Canada AM, joins us for the traditional farewell brunch on Sunday, September 28, from 12 Noon to 2 p.m. In her capacity as co-host of Canada AM, Linda has dealt with a wide range of political, social and human interest topics. She brings a strong journalistic background to tough issues like free trade, native rights and environmental issues. At the same time, Linda has a unique ability to handle the lighter side of the news with ease. You'll have an opportunity to meet with her, and enjoy the casual atmosphere of the campus too.

## *Accommodation*

The weekend rate for rooms at the Westin Hotel starts at \$60/single room, just half the regular price. To make your reservations, call toll free, 800-228-3000.



## *Advance Registration*

Please reserve the following tickets for me:

Alumni night \_\_\_\_\_ tickets @ \$30/ticket

Farewell brunch \_\_\_\_\_ tickets @ \$8/ticket

Football game \_\_\_\_\_ tickets @ \$3/ticket

Total \_\_\_\_\_ less 10% for reservations received before September 1, 1986

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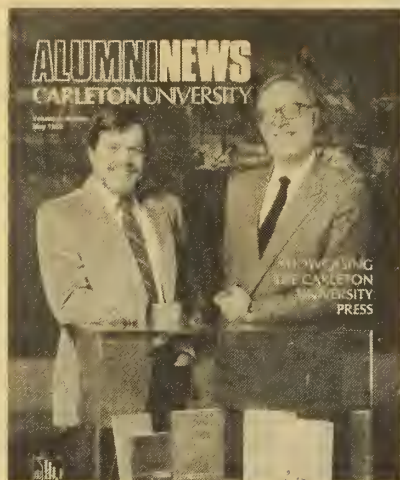
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# ALUMNI NEWS

## CARLETON UNIVERSITY

Volume 6, Number 1

May-June 1986



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The Carleton University Press, established just five years ago, is already emerging as one of the major university presses in Canada. One reason for this is that it owns the backlist for the Carleton Library Series, one of the most important collections of books on Canadian Studies in the country. Today, the Press is adding to that collection, and branching into new areas as well. Our feature report looks at the Press, its impact, and its future.

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Views expressed or implied do not necessarily reflect those of the entire University community or the Alumni Association.

Your views, questions, comments and other suggestions are welcome. Submissions should be addressed to the Editor, Alumni News, at the above address.

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# Development Viewpoint

by Kim McCuaig, Director of Development Services

Each year, Carleton University raises more than one million dollars from the private sector.

It's a significant amount of money by anyone's standard.

For Carleton, it often makes the difference in funding a new academic program — whether it's high technology, second language education, or another area — that builds on the University's strengths and responds to Canadian needs.

People don't wake up with the bright idea of suddenly giving money to Carleton University, though. Rather, their giving is the result of understanding and wanting to support the University's goals. They believe in higher education and in Carleton's brand of higher education in particular.

Their interest and support is nurtured by a sustained and carefully thought out fundraising program, managed through the Development Services Office. The role of the office is, quite simply, to generate revenue from the private sector for the University.

Alumni, of course, are major supporters. But so too are faculty and staff at the University, parents of students, members of the Board of Governors and Associates, foundations, local companies, and large corporations. The network of University supporters is indeed very broad.

A direct mail solicitation program is our main approach to raising funds. But this is supplemented, where possible, by direct face-to-face solicitations, with the aid of volunteers and members of the University community.

An increasingly important source of funds is through "deferred gifts." These are contributions from bequests, insurance policies, and so on. As the University and the people associated with it mature, these gifts play an ever-larger role in private income.

Most gifts are outright cash donations. But gifts-in-kind are not uncommon, whether as books, art, equipment, and even, occasionally, offers of land.

Sometimes, gifts are made to support a specific purpose, such as a scholarship, research program, or for the library. More often than not, however, donations are "unrestricted." Placed at the discretion of the Board of Governors, unrestricted gifts are especially important as they help the University to meet the requirements of the ever-changing educational needs facing Canada today.

For the past several years, the Development Services Office has managed an annual fund to raise money from the various constituencies I have identified here. Today, we are involved in the planning of a major capital campaign to provide Carleton with the classroom, library and research facilities it needs to continue to meet its educational goals.



## From the Alumni Office

by Richard Austen, Alumni Relations Officer

Carleton University is still a young university by many standards. This year, it is passing its 44th birthday.

Yet, there have been significant changes from the University that many alumni will remember. Keeping you informed of what those changes are and what they mean is an ongoing challenge.

The *Alumni News* is one way we try to meet that challenge.

In this magazine, for example, we are highlighting the Carleton University Press, because in many respects, it is typical of activities that happen at Carleton that are of national significance, yet largely unrecognized.

Research continues to be an ever-growing part of the University. That's why we try to incorporate research-related articles from every Faculty in each magazine. This time around, stories about biotechnology, family violence and even hitherto unexamined Spanish archives are included to illustrate the range and breadth of research being undertaken by Carleton faculty.

Every once in a while something comes along that builds bridges between the University and Canadian society, while reinforcing the learning experience for students today. Two stories, one about designing a crib for CBC's Marketplace and the other about Toronto's proposed domed stadium, are examples of this.

And sometimes what happens is the result of dedication and determination by faculty. The Department of Law's Jurisprudence Centre is featured in this magazine as a centre that owes its existence to law professors who value the role it plays both at the University and in relationship to other universities.

As we begin our second year of publishing the *Alumni News* in magazine format, we are conscious of the challenge we continually face to keep you abreast of the changing University. We have been encouraged by the notes from alumni who say they enjoy the magazine and others, who say they even read it from cover-to-cover. Through these pages, I hope you will continue to feel a part of the University, and remain familiar with its achievements over time.



## Alumni Council Nominations

The Nominations Committee of the Alumni Council invites nominations for four Councillors, to serve terms of three years.

In order to qualify, nominees must be regular members of the Association.

Nominations must be agreed to in writing by the nominee, and supported by ten (10) alumni.

Elections will take place at the Annual Meeting of the Alumni Association on Friday, September 26.

Nominations must be received in the Alumni Relations Office before Friday, September 12, 1986.

Address correspondence to: The Nominations Committee, Carleton University Alumni Association, c/o Alumni Relations Office, Carleton University, Ottawa, Canada, K1S 5B6.

## A.D. Dunton

### Alumni Award Nominations

Nominations are being accepted for the A.D. Dunton Alumni Award. Named in honour of former Carleton president, Davidson Dunton, the award was established in 1972 to be presented "to distinguished alumni of Carleton University as a signal honour in recognition of outstanding achievement or contribution to any field of endeavour."

Nominations should include year of graduation and reason for selection, and should be submitted by August 1, 1986.

Submissions should be marked confidential and sent Louis Reeves, Chairman, Nominations Committee, Carleton University Alumni Association, Ottawa, Ontario, K1S 5B6.

The award will be presented at the Annual Dinner on Friday, September 26.

## St. Pat's Reunion

As a result of the very good response to the March 1985 gathering of St. Pat's grads, plans are being made for another event centered around March 17, 1987.

Our response cards indicated an interest in a get-together every two years with the second choice being every five years. Being one to enjoy a party, plans are to go with every second year which brings us to March 13-15, 1987. A suitable occasion with St. Patrick's Day around the corner.

For now all I ask is that you keep those dates open so you can join us. Information will be mailed out in the late fall or early winter. If you have suggestions on the type of event, mail can be sent to me, c/o Alumni Office, Carleton University, Ottawa, Canada, K1S 5B6.

Jim Kennelly, BA/75 (SPC)



## Campus Notes

### A.P.S. Selavadurai Awarded DSc

Dr. A.P.S. Selavadurai, Chairman of Civil Engineering at Carleton, was recently awarded a DSc in Theoretical Mechanics by the University of Nottingham. He obtained his PhD in Theoretical Mechanics from Nottingham in 1971 for research into non-linear elasticity, under the supervision of Professor A.J.M. Spencer. Professor Selavadurai joined Carle-

ton's Department of Civil Engineering in 1975, and has served as chairman since 1982. His research interests cover a wide area of theoretical and applied mechanics, including non-linear continuum mechanics, mechanics of fibre reinforced materials, fracture mechanics, elasticity, and geomechanics.

### David Brown re-appointed V-P (Planning and Development)

David Brown has been re-appointed Vice-President (Planning and Development) for a

six-year term, effective July 1, 1986. In this post, Dr. Brown is responsible for financial and facilities planning at Carleton. In particular, he has responsibility for planning and development of the operating and capital budgets, of new space, and the allocation of space. Dr. Brown came to Carleton in 1966 as Assistant Professor of Physics and was promoted to Professor in 1983. In 1973 he was named Assistant to the Vice-President (Academic) and in 1974 assumed the additional role of Director of Planning Analysis and Statistics. He was appointed Assistant Vice-President (Planning) in 1980, and Vice-President (Planning) in 1982.

### Charles Watt re-appointed Vice-President (Administration)

This Spring, Charles Watt was reappointed Vice-President (Administration) for a six-year term, effective from July 1, 1986. A graduate of Carleton and past-president of the Alumni Association, Mr. Watt came to Carleton in 1978 as Director of Personnel, and was appointed Vice-President (Administration) and Bursar in 1980. He is responsible for directing the administrative operations of the University, including finances, administrative services, personnel, physical plant, residence, food services, health services and athletics. As well, he is the University's representative on the Alumni Council and has assumed new duties in the area of student affairs.

### Carleton Wins Over Yale in Major Debate

Competing against 45 other teams, two Carleton students won the championship at the 1986 North American Invitational Debate Tournament, held at Royal Military College, Kingston, in March. Paul Canniff and Paul Connors defeated Yale debaters Peter Appel and Rick Hills on the motion, "Resolved: A true prince wears no crown." Connors is a master's student in International Affairs, and Cardiff is an undergraduate in political science.

### Gordon Robertson Continues as Chancellor

The Honourable Gordon Robertson has been re-appointed Chancellor at Carleton for a further three-year term effective February 1, 1986. Mr. Robertson was first appointed Chancellor in 1980 after a long and distinguished career in the public service. Before he retired in 1979, he served as Clerk of the Privy Council and Secretary to the Cabinet for Federal-Provincial Relations. In 1980, he was appointed President of the Institute for Research on Public Policy, and is currently a fellow of the Institute. He is a Companion of the Order of Canada, a Fellow of the Royal Society of Canada, a member of the Queen's Privy Council for Canada, and has received honorary degrees from seven universities.

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# Storwal Helps with New Building

Carleton's new Social Sciences Research Building — the first new building to be constructed on campus in more than a decade — was completed this summer with a boost from the private sector.

While the University funded construction costs, office equipment manufacturers helped to furnish the new building.

More than \$60,000 worth of equipment was donated by eight firms, with one of the largest contributions, valued at \$12,000, coming from Storwal International Inc.

Storwal's Vice-President Engineering Dick McGregor, says the company has benefitted from hiring industrial design graduates from the University.

The firm decided to upgrade its design/engineering department in 1980, and has hired four industrial design graduates from Carleton. Since then, says Mr. McGregor, sales of Storwal products have doubled.

"We gained something from Carleton University as a source for people with the skills we were looking for," he says. "This was our way of saying thanks."

The new building, located beside the Loeb Building, houses a variety of research centres from the Faculty of Social Sciences.

Included are the Cartography Research Unit; Beaufort Sea Coastal Zone Project; Centre for Immigration and Ethno-Cultural Studies; Centre for Quantitative Social Analysis; Mediated Communications Laboratory; Laboratory of Neuropsychology and Communication; Laboratory of Sleep and Chronopsychology; Vision and Hearing Research Laboratory; Organized Research Units from the School of Business; and others.

The official opening of the Building is scheduled for September.



Industrial design graduate Scott Deugo, at work at Storwal Office.



These students show spirit is alive and well at Ravens' games. Photo, courtesy of The Charlantan.

## A Season to Remember

The football Ravens had one of their best-ever seasons in 1985.

The team celebrated its 40th anniversary year by winning the league championship. And coach Wayne "Ace" Powell was named OQIFC coach of the year, in his fourth season at Carleton.

Other milestones of the '85 season:

- Pedro the Panda, traditional symbol of rivalry between Carleton and the Ottawa Gee-Gees, marked his 30th birthday, and the Ravens extended his stay at Carleton for the third year running. Pedro wasn't here for long, though, having been kidnapped by a gang of Queen's engineering students. He was returned 49 days later, little the worse for wear.

- At Raven Field, the Old Crow Society led off its 21st season by building and running a snack bar, featuring barbecued hamburgers and hot dogs, drinks and coffee. Grillmasters were former footballers, who manned the booth according to their "eras." The '40s and '50s gang were organized by Ed Gladu; the '60s by Jim Sevigny and Bruce MacGregor; and the '70s by Bob Eccles and Jeff Singer. The Old Crows' expanded program also included a bus trip to Kingston for lunch with Queen's friends, and attendance at the final season game.

- Following the Ravens' semi-final win over Bishops' (40-20) and a solid 46-21 league win over Concordia, televised on pay cable by TSN, the team headed west to play off against the University of Calgary Dinosaurs. The Dinos and the minus-25-degree weather combined to chill the Ravens' forward march to the Vanier Cup.

Individual honours and accomplishments by team members of the 1985 Ravens included:

- Mark Brown, CIAU Rookie of the Year;
- Angus Donnelly, all-Canadian defensive tackle;
- Jeff Morris became Carleton's all-time leading scorer, with 183 points in regular season play, surpassing the previous record set by Mario Arnone in the mid '70s;
- Quarterback Cam Collins, who missed the playoffs due to injury, was the conference passing leader, with 115 completions in 200 attempts, for 1,260 yards;
- Veteran John Dawley, injured early in the playoffs, was the season's league-leading pass receiver, with 47 receptions for 543 yards.

Carleton's winningest team ever, plus improvements to Raven Field — new stands and the Old Crows Snack Bar — along with the popular beer and beef-on-a-bun in the Athletics Centre's Fit Stop, the pep band, and mascots Rodney and Ruby, all combined to attract the best crowds in years. A great way to spend a fall afternoon, noted several alumni who came out for the games.

Coach Powell is looking forward to next year's season with a good nucleus of returning players.

"We're out to prove that '85 was no fluke," he says confidently.

The first preseason game of the 1986 season will pit the Ravens against the University of Saskatchewan Hushies at 1 p.m. on Saturday, September 6, on Raven Field.



# New Themes for Summer

Carleton is offering more than 250 courses in over 500 classes during the summer this year. But while most of these are routinely offered by departments as part of the University's summer program, this year some of those courses are standing out from the crowd.

They're part of a number of special summer schools that have been organized around specific themes — peace studies, social sciences methodology, and even Russian language.

The new initiative is based on the success of two programs that have been offered over the past several summers — political economy (also being offered this summer) and criminal justice and social policy.

"We've picked out some of Carleton's strong points and advertised the programs across Canada as high profile operations we would really like to draw to people's attention," says Tom Wilkinson, Director of Carleton's School of Continuing Education.

"We want to let people know there's something special happening, and that we have strengths in these areas."

While firm enrolment figures aren't yet available since some classes don't start until July, Professor Wilkinson says that early indications show that enrolment is up overall, and especially strong in the summer school programs.

The summer schools are essentially a "welding together of previously unwelded elements," he says, something that's especially true of the Social Sciences Methodology program.

Co-ordinated by Terry Nosanchuk, a professor of Sociology and Anthropology, the program is grouped into three areas — methods, statistics and computer applications — and encompasses 11 courses in political science, geography, psychology, and economics, as well as sociology and anthropology.

"Every summer, there's been quite a number of methodology offerings, though they've been quite scattered and uncoordinated," says Professor Nosanchuk.

"This year, most of what's been done is simply to put together in one place the normal department offerings, with two exceptions both being taught by a visiting scholar."

(As an aside, he adds "One of the nice features of a coordinated program is the opportunity to bring in an outstanding scholar. We were fortunate to get Travis Hirschi, a well-known and highly-regarded methodologist from the University of Arizona.")

The program is intended to serve a variety of audiences, he says, from part-time and graduate students here at the University, to professionals who can use information from the courses in their work, as well as students

from other universities who are in Ottawa for the summer.

"In our departments, many students regularly regard the need to take methods courses with great apprehension," says Professor Nosanchuk.



*Frances Cherry leads discussion group on peace studies in special summer program.*

"One thing typically true is that students appreciate the need for these courses once they're out at work, or doing research. They can see how the technology makes sense, that it really makes a difference."

Although he hopes the program will be offered annually, he says it will probably change with time.

"What we'd like to do is to move toward a summer program in which a large number of special courses are offered that students feel the need for especially when they're doing research, courses that wouldn't typically be offered during the year," he says.

"It's hard to tell just what form it will take. This year, we're just trying to get it off the ground."

Also getting off the ground this year is a summer school in peace studies, co-ordinated jointly by psychology professor Frances Cherry and English professor Ben Jones.

This program consists of five courses in psychology, English, mass communications, and interdisciplinary courses in the humanities and women's studies. As well, public lectures, films and other events are included in the program.

"As academics, we're fundamentally concerned about the future of the planet," says Professor Cherry. "You can't divorce real-world concerns from the university. . . It's important to address critically the issue of war and peace, so you have people in society

thinking about this issue."

She says there's been a very positive response to the program. "Students are serious. . . working hard. . . enrolment has been excellent."

She adds she's even been approached by

other faculty at Carleton who want to be involved in the program next summer.

The smallest summer school, and possibly the most experimental, is the one on Russian languages. It consists of two courses — Russian language for beginners, and introducing Russian newspapers.

Angelina Lewinson, the Chairman of the Russian department, says the courses are mainly designed for students who need a knowledge of Russian to continue their studies, or people who use Russian in their work.

Adds Larry Black, Director of the Institute of Soviet and East European Studies and one of the initiators of the program, it's also serving as the basis for building a summer Russian language laboratory of interest to a broader audience, including the Department of National Defence, External Affairs, teachers, professionals and students.

Summer may never be quite the same at Carleton again, as these and other programs become a part of campus life.

The range and scope of the summer programs being offered is unique, says Professor Wilkinson.

"Other universities tend to specialize in terms of developing programs that focus on particular areas. I think we're on the leading edge in this area with the summer school programs we're offering this year."



## Passage to India

For five weeks this Spring, Carleton's Dean of Arts Naomi Griffiths lived an extraordinary experience.

Recognized world-wide as a scholar of Acadian history, Professor Griffiths was awarded a fellowship by the Shastri Indo-Canadian Institute to visit India, February 17 - March 14. Professor Griffiths is the first scholar from Carleton to be sponsored by the Institute as an individual, rather than as part of a group exchange.

She spoke at eight universities in India, from Delhi to Jaipur to Bombay and Goa, and was even reported in the *Times of India*, as well as other India media.

The status of women in Canada, the impact on women of micro-technology and, most of all, the Acadians as an example of minority survival were the main areas she spoke about.

India's overall impact was simply "extraordinary," she says.

"There was the realization of what it really meant to be living in a third-world country, and there was the experience of suddenly being a visible minority — often I was the only white person in a gathering, and frequently, the only woman."

As to being awarded the fellowship, she says, "It pleases me that I can still swing a scholarly trip after eight years in this job (as Dean)."

But she also used the occasion to do some Dean's work on behalf of the University.

At the University of Goa, situated in a part of India that was once a Portuguese colony, there's an archive of Portuguese administrative records dating from the 1500s. Records from the same period were destroyed in Lisbon and Brazil, so the ones in Goa are the last surviving records from the era in the world.

"They'd be immensely valuable to people looking to understand Latin America," she says.

At the same time, the University of Goa has a critical need for an English as a second language program.

"In my opinion, we have the best ESL program in the world," says Dean Griffiths, "so there's the possibility we can put in place a really good academic link to Goa."

While abroad, Dean Griffiths also used the occasion to take a side trip to Thailand, where she visited Khon Kaen University.

She was greeted there by Carleton alumnus, Artnarong Transandote, PhD/82, who teaches in the University's Department of Electrical Engineering.

"Never in all my life have I been so glad to see a Carleton University t-shirt," recalls Dean Griffiths of meeting him upon her arrival.

Kohn Kaen University, just 20 years old, is interested in an ESL program, as well as in biotechnology, engineering and science links, and computerized library systems, she says.



Scene from fancy dress ball staged by Lord and Lady Aberdeen at Rideau Hall, February 17, 1896.

## Crown and Culture

The Governor-General is primarily regarded as a political figurehead, so it's hardly surprising that the post is usually studied within a political context.

Now, however, a Carleton Professor of English is looking at the Governors-General from an entirely different point of view.

Professor James Noonan is examining their involvement in Canada's cultural life, from Confederation to the beginning of the 20th Century.

And he's finding their role has been more significant than most Canadians would probably have realized.

This Spring, Professor Noonan was awarded the Jules and Gabrielle Leger Fellowship to further his research, the first ever to focus on the contribution of the Governors-General to our cultural heritage.

When railways, grain and lumber were the main preoccupation of the day, the Governors-General encouraged Canadians "to get involved in the arts... to see the arts as an important part of life," says Professor Noonan.

Their impact on our cultural development was not limited to Ottawa, either, he adds. In visits across the country, they both participated in and lent their support to the arts.

To gain an understanding of their impact, Professor Noonan is looking at the concerts they attended, the artists they supported, and the groups they encouraged both at Rideau Hall and elsewhere in Canada.

Not surprisingly, he's found that the cultural activities that were supported had a lot to do with who was in office at the time.

The Dufferins had an abiding interest in theatre, and even had a stage constructed at Rideau Hall where they and their children would perform. Lord Dufferin was descended from Anglo-Irish playwright Richard Brinsley Sheridan, and Lady Dufferin was, herself, a fine actress, notes Professor Noonan.

"Lord Dufferin was the first really impor-

tant Governor-General," he says. "He gave the office prestige, and held tremendous balls and social activities that were the talk of North America."

Dufferin's successor, Lord Lorne, was a writer who was married to Princess Louise, a daughter of Queen Victoria and an accomplished painter.

The Lornes encouraged artists and painters, says Professor Noonan, and were instrumental in the founding of the Royal Society of Canada and the Royal Canadian Academy of Art, later to become the National Gallery.

The era came to an end with a flourish when the Aberdeens took office in last decade of the 19th Century. Says Professor Noonan, the Aberdeens had a great interest in history, and organized great historical balls, "fancy dress occasions with people coming as characters from Canada's past."

The role of the Governors-General diminished as government agencies, such as the Canada Council, took over greater responsibility for encouraging the arts, says Professor Noonan.

His research involves reviewing journals, biographies, and histories of the time, as well as newspapers and magazines. Much of the material is located in the National Library and archives in Ottawa. But he also intends to visit the ancestral homes of the Governors-General for information on their background and how it influenced their interests in Canada.

Professor Noonan has been studying cultural activities at Rideau Hall for the past several years, and has already presented several papers on the subject.

He plans to use his current research for a book, which will include a manuscript from an original work produced at Rideau Hall, *The Maire of St. Brieux*, written by Frederick Dixon for the Dufferins and produced in 1875.



# Spanish Treasure Revealed

Every summer for the past seven years, Carleton Professor of Spanish Francisco Hernandez has stepped into a time machine that transports him back through the centuries to the Middle Ages.

His voyage in time takes place in the Archive of the Cathedral of Toledo, Spain, where documents dating to the 11th Century have been housed virtually undisturbed for almost a millenium.

Described by Professor Hernandez as the "Westminster Abbey of Spain," the Cathedral of Toledo had a significant role throughout the Middle Ages. Not only was Toledo the ecclesiastical capital of the Iberian Penninsula, but its Archbishops served as the Primate of the Spains and, as such, were in regular contact with Rome. As well, they were the Chancellors of the Kingdom of Castile and kept very close to the administration of the kingdom and its relations with foreign powers.

Consequently, the Cathedral's archive is a tremendous treasurehouse of more than 12,000 documents of papal, royal and private origin.

Yet the archive has been overlooked by most scholars because they thought the majority of its holdings had been reproduced in the 18th Century by a Spanish priest, Andre Burriel. These reproductions have been housed and studied in Spain's National Library, located a mere 70 kilometres from Toledo in Madrid.

In 1969, when he went to the Toledo archive for research in connection with his doctoral studies, Professor Hernandez discovered a far greater volume of unpublished source material than anyone had imagined.

Now, in conjunction with the Cathedral's archivist, he's assumed the awesome task of identifying and publishing the complete holdings of the archive, from 1085 to 1495. Spanning five centuries, during which the Kingdom of Castile was at the height of its influence, this period starts with the expulsion of the Moors from Spain, and ends in the era of North American discovery.

Known as the Burriel Project, in deference to the archive's 18th Century transcriber, the monumental undertaking involves the collaboration of a team of highly regarded scholars from around the world.

Their work is expected to take till the end of this century to complete, but already, documents from the archive have helped to settle a

long-standing debate.

Professor Hernandez explains that the existence and life of Juan Ruiz, a 14th Century Spanish poet comparable to Chaucer, has long been clouded by uncertainty.

"No-one knew anything about him," he says. "We weren't sure what his name really was, what he did, or even when he lived."

Professor Hernandez uncovered documents in the archive with Ruiz's name, that prove him to have been a real person, confirm that he was who he said he was in his writing, and date his work precisely in the 14th Century.

"The find does away with a great deal of speculation," says Professor Hernandez.

Also discovered by Professor Hernandez is a record of the budget for the Kingdom of Castile in 1292.

"If not the earliest, it's certainly one of the earliest known documents of its kind in Europe," he says.

"It's a complete breakdown of the sources of income and how that income will be spent. It will give historians something that's very rare...quantitative material on a large scale."

In other ways, material from the archive reminds us how little we've changed over the centuries. Records of bounced cheques and library books that were borrowed and never returned are some of the personal tidbits of information uncovered by Professor Hernandez.

"Sometimes I feel like I'm prying into the private lives of people who've been dead a long time," he says.

But as well, he says it's "a very moving experience to be the first person to touch a document that's more than eight centuries old."

Although some documents are falling apart, most are in good condition, especially those on parchment. It's a little unnerving to discover animal hairs on parchments that had not been properly polished centuries ago, says Professor Hernandez.

He spends his summer in the archive painstakingly transcribing documents by hand, much as Andre Burriel might have done 200 years ago. But that's where the similarity to his predecessor ends. Twentieth Century technology, with its

computers, microfiche and wordprocessors, mean that work can continue over the winter, even when he isn't in Toledo.

Already, one mammoth book has been published, containing an inventory of parts of the collection and where to find them in the archive, and Professor Hernandez has started to work on a book relating to the 13th Century budget of Castile.

It's a curious thing to see Carleton University mentioned in a Spanish book, but that's one of the benefits that comes to Carleton from the project. It gives the University an international profile and reputation for the quality of its scholarship.

Professor Hernandez's research is funded by the University and Canada's Social Sciences and Humanities Research Council, as well as by the Spanish Fundacion Ramon Areces. As such, it's an example of Canadian involvement in international scholarship of the highest calibre.

For the world, the Burriel Project will leave a pathway to the past for future generations to follow.



Medieval painting of Toledo Cathedral.



Francisco Hernandez.





Industrial design students, David Wallace and George Rothschild, with crib they helped design for CBC's Marketplace.

## Learning by Design

It isn't cocoon or egg-shaped. It doesn't hang from the ceiling or rest on a cushion of air on the floor. It doesn't use the latest space-age material in some fantastic, never-before-thought-of way. In fact, it looks remarkably like any other crib.

Almost, but not quite.

What makes this crib remarkable are subtle but significant differences, differences that make it safer to use, and easier to assemble.

Regular viewers of CBC's Marketplace will already be familiar with the story behind this crib.

This winter, Marketplace asked Carleton's School of Industrial Design to redesign the traditional crib in light of new government standards.

One of a number of problems with crib designs relates to the way the mattress is attached to the frame. Since 1974, 39 infant deaths have been caused when one of the hooks, used in most cribs to attach the mattress support to the crib frame and to adjust the mattress heights, became accidentally unhooked. When the child moved into the corner while sleeping, the mattress tilted, and the child suffocated.

One manufacturer responded to this problem by providing a clip-on plastic device to help hold the hooks in place, but otherwise maintained that the ease of adjustability was what the consumer wanted even at the expense of safety.

So Marketplace came to what the show's host, Bill Paul, described as one of "the best design schools in North America" for another opinion. Here are some of the features from the final product they got as a result:

- The mattress support slides into a channel, fixed to the crib frame, eliminating the need for hooks altogether, and at the same time,

cutting out gaps between the mattress and frame where a child's limbs could get caught;

- The mattress support is off-centred, so that to change the height of the mattress, all you have to do is flip the crib over;
- Casters are only put on at one end of the crib, with a handle to lift the other end when the parent wants to move the crib and reduce the possibility that young children will move it;
- The crib can be completely assembled without tools, and it folds flat for easy shipping and storage;
- The crib's more rigid design makes it easier to operate the drop side;
- Two independent actions are required to raise or lower the drop side, reducing the possibility of it being lowered by a sibling.

Two prototypes were completed by the students, similar except for the fact that one had bars on the sides, and the other had clear plastic.

David Wallace, a fourth-year design student who worked on the project through to the final stages, sums it up this way:

"There's nothing too radical about it. We looked at a lot of little details, nothing too fantastic.

"We tried to make it look reasonably conventional, because we thought if it was too different, people wouldn't accept it.

"Aside from that, we thought we'd look silly coming out with something that wasn't feasible from a manufacturing or marketing standpoint."

And there was another factor that figured prominently in the project, he said. "We didn't want to create new safety problems while we were trying to solve an existing one."

The experience of working with Marketplace to design the project has made a lasting impression on the students who participated in the project, and on the School itself.

Jacques Giard, the School's Director, says it's helped in improving public understanding of what industrial design is, and how it can help consumers.

"Consumers can demand better products by refusing to buy ones that are difficult or unsafe to use," he says.

The School is the only one of its kind in Ontario. By increasing its profile, Professor Giard hopes it will help to attract the highest quality students from across Canada, and give a boost to graduates in seeking employment.

The project was unique for the School. Although students have worked with non-profit organizations to help solve design problems, especially for the handicapped, it had never been approached by the media before.

Four teams of five senior students were involved. Initially, they participated in a seminar with a pediatrician, child psychologist, manufacturers, a child care authority and a government official, to get a good idea of what the problem was.

Each team came up with its own design, with the final prototype being a composite of these four designs.

The project lasted about four months, and was worked into the students' regular academic program.

Faculty supervisor, Brian Hamilton, noted that time was the major limiting factor in the project.

"The CBC imposed extremely tight deadlines," he said. "For a product that requires a lot of careful thought, we would have liked more time to do the research and carry out the tests."

Senior design student, George Rothschild, also worked on the project with David Wallace. The publicity and being on TV were nerve-racking, he said, but otherwise, the project wasn't different from any other in the School.

As it turned out, the first prototype failed during the Department of Consumer Affairs testing procedures. The problem was a minor one, however, and once adjustments were made, the crib surpassed all the test criteria.

To have the crib collapse on national TV wasn't too thrilling, says Dave.

Still, he says, "It was a good experience in the sense of having to carry something through to the level where it has to meet and pass standards.

"It makes you realize how difficult it is and what a long process is needed to bring something forward that can be produced and meet tests."

It's hard not to be impressed both by the crib design itself and the students in the school. Commented Dr. Bill James, the Ottawa pediatrician who participated in the design seminar, "They're a tremendous group."



# Carleton and the Stadium

Toronto's proposed domed stadium will undoubtedly be celebrated as a symbol of engineering knowhow at universities throughout Canada, but perhaps nowhere is this more true than here at Carleton.

One of the companies in the consortium that submitted the winning proposal was Adjeleian, Allen, Rubeli Limited, an Ottawa-based structural engineering firm that's well known to the University.

In addition to working on many campus buildings, the firm's founder John Adjeleian has dispensed his unique brand of engineering wizardry as a professor of engineering at Carleton for the past decade.

The actual operation of the dome (weighing in at 7,505 tons, it will be fully open in an amazing 20 minutes) was conceived by Michael Allen, a principal and long-time member of the Adjeleian firm.

His concept was developed and refined by a team that included Carleton professors and alumni.

To Professor Adjeleian, the stadium is the epitome of a personal and professional philosophy that embraces the disciplines of engineering and architecture, and straddles the (some think enormous) gulf between the university and the practising engineer.

Normally, the architect responsible for a project calls upon the engineer as a sub-contractor, says Professor Adjeleian. But in this case, the stadium's architect, Rod Robbie, involved Adjeleian's firm as an equal partner.

"Robbie and I have known each other since I first went into business in Ottawa 30 years ago," says Professor Adjeleian. "Even after he moved to Toronto, we stayed in regular contact. One day, we were having lunch, and he suggested we get involved in this project.

"With all his enthusiasm and drive, Robbie appreciated the fact that he needed a structural engineer working with him from the outset.

"This project is an example of what I've been teaching at this University: that is, the marriage of architecture and engineering. Only when the two go together do you win the competition."

The Toronto dome will expose 91 percent of the stadium when it is retracted, leaving only the scoreboard and pressbox under a roof.

Mr. Allen says the criterion set by the Stadium Committee — to develop a fully retractable roof — has never been done properly before.

Its closest rival is in Pittsburgh, which exposes only 60 percent of the stadium. Further, the Pittsburgh stadium seats only 20,000, compared to Toronto's 60,000.

Incredibly, the mechanical operation of the dome was worked out by Mr. Allen when he was on a plane returning to Ottawa from Toronto.

"I was doodling," he recalls, "trying to sort

out the problem of how to get a round roof off the stadium. It's nearly impossible to do, because all a round roof wants to do is go in circles."

The elegantly simple solution incorporates that basic fact into the design, and even uses conventional technology.



The dome is sliced into four sections by parallel lines. The two middle pieces slide on straight tracks to rest on top of the north end of the dome, while the remaining one-eighth piece slides on a circular track to fit in underneath.

This last piece of the dome can even be rotated to any point to shield against sun and wind.

The final submission ultimately included the major Toronto architecture and engineering firm, NORR, with Ellis-Don Limited as contractor and lead proponent. But even this combination, compared to other competitors, was described as "diminutive" and the "underdog."

Both Allen and Adjeleian attribute the success of their proposal to the structural detailing and analysis they were able to undertake on the firm's in-house computer system.

Here's where the connection with Carleton really paid off.

The computer work was done by Carleton graduate, Don Duchesne, BEng/78, MEng/80, with Professor Jag Humar, who came in as a special consultant on the project.

Duchesne used the computer system to produce more than 400 perspective drawings of the structure, demonstrating exactly how the dome would retract.

Another Carleton graduate, Jagannathan Mohan, MEng/81, was involved in the detailed design of the roof.

"If it wasn't for our in-house computer facilities, we probably wouldn't have been successful in this competition," says Professor Adjeleian.

He credits his involvement at Carleton as being a major factor in his decision to install the computer in 1982-83, while he was on sabbatical leave.

"From being at Carleton, I've been associated with systems engineers and computer scientists," he says. "It got me interested in the area — we were the first company in Ottawa with an in-house CAD system."

Adds Mr. Allen, "Our links with the University have kept us in touch with what's happening, with what's state-of-the-art in structural engineering."

While there's been an obvious direct benefit to the business side from this kind of contact, there's an equally significant benefit to the university side of things.

"We often use the talents around Carleton, whether it's hiring a professor as a special consultant, or research students to write papers and publications," says Professor Adjeleian.

"But more than anything, I've found when I give students live examples, they're more attentive, and I've suddenly got more credibility.

"They're always keen and very interested in knowing what's happening on the outside."

The benefits to the University have been extended even further, by the fact that Allen also teaches as an adjunct professor at Carleton.

For Professor Adjeleian, this joint involvement is ideal, though he admits "my weekends aren't my own."

Still, he has feet firmly planted on both sides, and has no intention of changing, adding that he loves his business and he loves teaching.

"I've been like an ambassador," he says.

"When I'm on the academic side, I say the guys out there in the business world aren't so bad. . . when I'm out in the business world, I stand up for the guys in academe.

"The theories don't change. The same equations apply no matter where you go."



# Advances In Biotechnology

The day may not be that far off when you'll be pouring Jerusalem artichoke syrup on your pancakes in the morning instead of maple syrup.

If you're wondering what a Jerusalem artichoke is, let alone how you get syrup from it, Carleton biochemist Hiroshi Yamazaki is the man to talk to.

Over the past four years, he's perfected an efficient and economic way to produce a sweet syrup from the Jerusalem artichoke—and amazingly, it will even be good for you.

A member of the sunflower family, the Jerusalem artichoke is a native plant that grows throughout eastern Canada. Its most distinguishing characteristic is something you don't see right away, though. Below ground, the plant produces tubers—called artichokes—that are eaten in some countries, though not here.

From these tubers, Professor Yamazaki has unlocked the sweet secrets to what may be the start of a whole new industry.

"The tuber has a carbohydrate called inulin," he explains.

"By partially hydrolyzing (breaking) this larger molecule, you'll get a random mixture of two smaller molecules, fructose and oligosaccharides."

This is the sweet syrup that may one day take the health food industry by storm.

Not only does it taste good, says Professor Yamazaki, it's low calorie, and it increases levels of acidity in the intestines, thereby suppressing the growth of harmful bacteria.

Professor Yamazaki has patented an economical process for producing the syrup, and says that a Japanese company is already looking into the possibility of manufacturing it with this method here in Canada.

His work with the Jerusalem artichoke is only one of a number of advances he's achieved through his biotechnology research.

Another discovery he's made involves using ordinary cotton cloth in the biotechnology production process.

He explains that enzymes are a good tool in transforming a biomass into a new product, but in order to reduce costs, it's important to use them over and over again. To do this, enzymes have to be attached, or immobilized, to another substance that can be removed from the solution once a desired reaction is achieved.

Another advantage of immobilizing enzymes is that they become more stable, he adds.

"Enzymes are amino acids linked to each other in a specific sequence," he explains.

"If you raise the temperature, however, the structure changes so that the enzyme is no longer active. By immobilizing the enzyme, however, you limit its freedom to change



Hiroshi Yamazaki.

shape, thereby creating a much more stable enzyme."

The normal way to immobilize enzymes is to attach them to cellulose fibres, he says. During the reaction, however, the cellulose shrinks, or packs down, reducing the flow rate of the solution. Flow rate is a critical part of the process, so when it is reduced, the whole process is affected.

Professor Yamazaki has found that this problem can be eliminated by attaching the enzymes to cotton cloth. Since it's already compressed, it doesn't impede the flow rate.

His use of cotton to immobilize enzymes has also enabled him to develop a process for automating biotechnological production processes.

"We found it was surprisingly easy for bacteria to grow on cotton cloth," he says.

"Though the parent colony is immobilized in the cotton, it generates progeny just as if it were free in a liquid."

Before, each process was started in a test tube and, gradually, solutions were added to larger containers. It was a process that couldn't be automated. With Professor Yamazaki's method, all that's involved is gradually adding the appropriate solution to the cotton cloth and waiting for the desired outcome to be achieved, all in one container.

This process can be easily automated and has already caught the attention of the antibiotics industry in Japan and the U.S., says Professor Yamazaki.

Meanwhile, another project he's working on involves the development of methods to detect antigens in the blood of farm animals, a discovery that will lead to a lower death rate from infectious diseases.

Professor Yamazaki explains that vaccines produce antibodies that are very similar to ones caused by infections. As a result, it's often impossible to tell whether an animal is

infected in time to save it.

"On the other hand, if you find an antigen, it means the infectious agent must be there," he says.

He's developed the simplest method to detect these antigens, a method that works for two diseases and has endless applications.

If that's not enough for a lifetime's work, he's now turning his attention to the problem of removing toxic substances from waste waters.

As well, he's a strong advocate of biotechnology research in Canada.

He describes biotechnology simply as the attempt to seek economic and material benefits by using products or activities of living systems or enzymes.

## Jerusalem Artichok





With its rich biomass, he says Canada has unlimited potential to develop a biotechnology industry. But to achieve its goal, he asserts that Canada should begin by establishing a competitive advantage through the production of medium-priced commodities; developing new methods for transforming the biomass; and supporting the existing biochemistry industry in Canada.

Despite his own prodigious efforts, however, he must feel he's operating in a hostile wilderness.

Biotechnology is a frontier science, that is not recognized as a distinct area for research funding through the Natural Science and Engineering Research Council, he says. Biotechnology projects are low on the list of priorities of grant committees in the "pure" sciences and face stiff competition for limited strategic grants funding.

"Even by taking the simple step of establishing a grants committee specifically for funding biotechnology research, you'd see a lot more activity in the area," he says.



## Chemists Find Ultrasound Helps

Ultrasound.

When most people hear this word today, they probably think of medicine, especially obstetrics.

But Carleton chemist Peeter Kruus and his research associate, MSc student Tim Patraboy, think of something entirely different.

They're in the midst of a 12-month research project to determine whether ultrasound can (of all things) help to turn a waste product of the Alberta tar sand development into useable fuel.

Funded by Energy, Mines and Resources Canada, the project is designed not only to turn a currently unused product into something useful, but to do it using waste waters from other industries.

So far, they've found that ultrasound can achieve the desired results, and are now turning their attention to getting the right kind of waste water to work with.

Essentially, the process involves suspending coke particles resembling black beach sand in a solution that can be gasified to produce fuel.

During processing, a large part of the bitumen extracted from tar sands up as a coke byproduct that's currently just being stockpiled, says Professor Kruus.

"To produce synthetic oil from bitumen, you have to increase the hydrogen to carbon ratio," he explains.

"The way this is done is to heat the bitumen so that carbon is released. The hydrogen-carbon ratio is increased by removing the carbon.

"The coke that's produced as a byproduct is 80 percent carbon, 20 percent undesirables, such as sulphur and various metals."

The coke has a heating value, but can't be used as it is because of the impurities, he says.

Since it's very expensive to remove the impurities from the solid coke, most attention has been directed at suspending it in a water slurry to gasify it.

But it's not easy to keep the coke suspended in the slurry to make the gas, says Professor Kruus.

"You have to add stabilizers and specific chemicals, called surfactants, that interact with the surface of the material to keep the particles from sinking," he explains.

He hopes to find a waste water that will have the right chemicals in it to act as the surfactants for the slurry.

Ultrasound comes into the picture because, at intensities above the safe level for medical use, it acts somewhat like a blender to stir the slurry mixture. (On the side, Professor Kruus adds it's a great way to make mayonnaise.)

More important, the ultrasound aids in cleaning the surface of the coke, enhancing the chemical reactions with the surfactants to create a stable slurry.

The process has been quite successful, says Professor Kruus.

"We've made a black 'paint' that's up to 70



Tim Patraboy with coke slurry. "Ultrasound's a great mixer."

percent suspended coke in weight."

About 80 different concoctions have been made and analyzed in the lab, using slightly different processes. Of 12 waste waters used so far, none has done the job Professor Kruus wants. But now, he says, "We know what we need and what to look for."

Interest in using ultrasound for broader applications has been increasing recently as the result of two factors, says Professor Kruus. Methods for producing intense ultrasound have become more efficient, and chemists have just started to understand what actually goes on.

Professor Kruus is one of the few scientists in universities with knowledge of what ultrasound can and can't do.

He became interested in the area as a graduate student in Copenhagen during the 1960s. Then, about 10 years ago, his interest was renewed while visiting an ultrasound lab in the Soviet Union as a scholar in the Carleton-University of Leningrad exchange program. The Soviets, he says, are world leaders in the area of ultrasound research.

Professor Kruus works closely with industry and government in his research. The coke in this project is provided by Syncrude and Suncor, and the waste streams are contributed by various industries. As well, he adds, a lot of the work is done at the National Research Council on equipment that would be too costly to purchase just for a 12-month project at the University.

While falling oil prices mean the economic imperative is less immediate, it doesn't mean the research is no longer relevant, he says.

"There's the problem of disposing the coke that's been produced so far, and the fact that the drop in oil prices can't last forever. Eventually, they'll have to solve the problem."



## New Directions For Law Centre

For more than a decade, Carleton's Jurisprudence Centre has led an active but quiet life in the Department of Law.

If Neil Sargent has his way, though, that will soon change.

As Director of the Jurisprudence Centre for the past two years, the Carleton law professor has broadened the scope of the Centre's activities and is attempting to raise its profile.

Established in 1973 in conjunction with the Law Reform Commission of Canada, the Centre's objective is to foster an interdisciplinary discussion of current issues related to law reform. Originally, criminal justice policy was the major focus of the Centre's activities.

But now, it is increasingly sponsoring seminars on broader legal issues, including corporate law, feminist perspectives of law, and social, historical and philosophical aspects of the law.

"There's been a growth in energy at the Centre over the last two years," says Professor Sargent. "It's been incredibly stimulating."

What's really incredible, though, is the scope of the Centre's activities given that it has no identifiable quarters, a very modest budget, and only part-time administrative help.

What keeps it going is sheer determination and dedication in the Law Department.

Professor Sargent and others in the department keep a sharp lookout for people they can invite to the Centre while they are in or near Ottawa for other reasons.

"We try to invite people who are doing important work of interest to the department," he says. "They are delighted to come, but if they did it for the money, we'd be out of business."

Professor Sargent says the Centre is unique in the same way that the Department itself is.

"Since we aren't a professional faculty, our orientation, both in terms of participants and people presenting papers is one of a cross-disciplinary perspective on law," he says.

And that's precisely what people like about the Centre.

Last year, three scholars from Osgoode Hall Law School ("one of the most consciously interdisciplinary schools in Canada") all commented on the diversity of the audience they had at Carleton, says Professor Sargent.

"They made a point of saying what a pleasure it has been for them to present papers to such a wide-ranging audience."

In this way, the Centre adds to the reputation of the University and the law program, he says.

"It expands our contacts outside, and helps the Department and the University to maintain a profile at other universities."



## Family Violence Studied

Sexual abuse of children and wife battering won't be at the top of many people's list of things-I-most-want-to-know-about.

Yet Carleton psychologist Susan Painter is making a point of knowing a lot about them.

In fact, she's building her academic career on her research into family violence, a subject she admits isn't very glamorous.

"It's horrifying and it never really loses that," she says.

"What I've done to protect myself from the horror is to do work that focuses on prevention and policy.

"My overall interest is basically about public policy and the development of support services, as well as public information and education programs. It's why I do the research I do."

This summer, she's starting two new research projects, both with this objective in mind.

One is a study aimed at evaluating the effectiveness of information programs on the subject of child abuse; the other is a study of why a battered woman would stay with a man who abuses her and what factors allow her to leave the situation.

A number of programs have been developed to warn children about sexual abuse, says Professor Painter, noting there are more than 50 films and scores of books available on the subject.

At the same time, the Ontario Centre for Prevention of Child abuse, part of the Ministry of Community and Social Services, is

receiving requests for funds to develop even more materials.

"They want to know the effectiveness of what already exists in order to evaluate these requests," says Professor Painter.

Her study, funded by the Centre, is designed to help them do this by assessing the impact of two videos on 250 parents of preschool children.

"We want to look at the impact of the videos on the knowledge, attitude and behaviour of parents, as the first stage of an overall research project that will also look at how the children themselves react to these things," says Professor Painter.

One of the videos, *Feeling Yes, Feeling No*, was developed by the National Film Board of Canada as part of an overall package aimed at the prevention of sexual abuse of children. This package is now being used by the Ottawa Board of Education in its programs.

The other video, *Strong Kids, Safe Kids*, is an American production, featuring Henry Winkler. It is specifically designed for parents and children to view at home.

Professor Painter says that one film emphasized danger from strangers much more than the other one does.

Participants in the study will see only one video or the other to assess differences in their impact.

In addition, the study will focus on the situation in which the video is viewed.

"We want to look at whether people's learning and attitudes change when they see





Susan Painter. "Time to find solutions to family violence."

the film with other parents in a group setting with a leader, compared to their viewing it individually as though they were in their home," says Professor Painter.

A pilot project for this study, involving 50 parents, is being run this summer, with the main study to take place in the fall.

Professor Painter will also be working with Don Dutton of the Psychology Department of the University of British Columbia on a pilot project about battered women. Funded with a grant from the Social Sciences and Humanities Research Council of Canada, this study will form the basis for a proposal for a larger, three-year project.

Studies show that one-in-ten women live in a situation where they are subject to physical, emotional, or sexual abuse, says Professor Painter. She adds that the average number of times a woman will be abused before she even calls the police is an astounding 35 times.

"Women in this situation are often in it for long periods," she says. "They find it difficult to extricate themselves for reasons that are partly financial, partly emotional and partly for reasons that are more intrinsic to the relationship with their husband or partner.

"When they do go to a shelter, they invariably go back. People see this happening and say she must like being beaten up."

Her research is aimed at looking at the reasons why battered women stay in a situation and what factors allow them to leave.

"Somewhere along the line, it's as if a window is suddenly opened and they see the

situation much differently," says Professor Painter.

"They might think their children are learning to act in aggressive or violent ways, that their husband will never change, that they might be in mortal danger.

"Something inside them changes, clicks. We're trying to find out what it is."

The study involves interviewing women at different stages in a relationship with abusive men. The goal is to identify the circumstances and factors involved in their decision making.

"We hope to follow the women for a period of a year or so," says Professor Painter.

"Some will go through a period of change in this time. Some will leave for good, some will go back, others will be out for a short time.

"By looking at the changes they go through, we hope to isolate what the factors are that influence their decisions."

The pilot project will involve 30 women; the full study 300 women, half in Ottawa and half in Vancouver.

The information will be useful in a number of ways, says Professor Painter.

"Doctors, social workers, police, lawyers, all of these people need information about wife assault and what it is that makes battered women behave in seemingly strange ways," she says.

"They need to know how they can best help women in the throes of this situation."

As well, she says, it should provide valuable information for educational material and for public policy makers in the provision of community support services.

Finally, "it's important for the women themselves to understand the dynamics of the situation they're in," says Professor Painter.

"Their perspective often changes when they realize they're not the only ones having a hard time."

She dates her interest in the subject to her days as a graduate student at UBC, where she studied normal parent-child relationships and development.

"I started to become aware that family life wasn't always a positive thing, that it could be scary," she says.

"As I became more aware of the magnitude of the problems, I began to wonder how I could help us to understand what goes on when family ties are negative ones."

She traces her interest in public policy aspects of the problem to her work in Ottawa between 1981 and 1984, when she set up the National Clearinghouse on Family Violence Information for Health and Welfare Canada.

"It gave me a public policy perspective and I started to see it as a policy issue," she says.

As well, she says, it's a new area of research that only really began to be looked at seriously over the last decade.

"It's very clear to me that we're in a very encouraging period for research on family violence," she says.

"What I hope is that the work we do over the next 10 years will help us to get enough in place in terms of information and policy to intervene and prevent these problems."

## French Immersion Gets High Marks

Carleton sociologist John de Vries has good news for anyone involved with French immersion education.

A recent study he undertook for Canada's Commissioner of Official Languages reveals that graduates of French immersion programs give them a high rating and continue to use French after graduation.

"If I were a policy maker, I would say this is a success story," he says. "This is a good way of spending taxpayer's money."

The study, undertaken as a pilot project for a larger, national survey, involved students who graduated from the Ottawa Board of Education between 1980-84. Of an original list of 635 names provided by the Board, contact was made with 419 people. An astounding 97 percent - 405 people - agreed to participate in the survey.

"The only time you get such a high rate of participation is when people really like something or really hate it," says Professor de Vries. "What came out of this study was all goodness."

Participants were asked a series of 30 questions, ranging from their use of French at school or on the job, to more casual use with family and friends, or for entertainment.

Almost everyone uses French at some point, both on the job and in informal situations, says Professor de Vries.

"On a scale of 0-8, nobody ranked 0, most were in the 3-4 range, and a few even ranked at 8," he says.

"A surprising amount of French is used in various settings."

As well, he adds, more than 65 percent of the respondents said that French immersion had been a good experience for them. Only three people said it was a bad one.

In terms of getting a job, more than 80 percent of the respondents who were working said French immersion was helpful in gaining employment.

While Professor de Vries points out that the study strongly endorses French immersion, he cautions that the sample is too local to draw any national conclusions from.

"We've got a concentration of French-speaking people in Ottawa, a big employer (the Government) who puts a premium on bilingualism, and many opportunities to travel to French centres, watch television, listen to the radio, go the movies, read books and so on, in French.

"Our point is that if you want to promote bilingualism as a policy by means of French immersion schooling, it may not be enough to have immersion schools in Toronto, Vancouver, and so on.

"You may also have to provide opportunities to use the language after graduation."

He notes that French immersion is very popular now in Edmonton, but asks, "Do the graduates from these programs stay out West and use their French?

"Nobody knows."



# Printing Knowledge at Carleton

*Lord Durham's Report*, edited by Gerald M. Craig, is an essential book for any student of Canadian history.

For Carleton University, it's much more.

The first book in the Carleton Library Series, it launched the beginning of what has since become the premiere series on Canadian studies in the world.

"We've put more than a million books on the shelves," says the series' editor, Carleton Professor of English Michael Gnarowski.

"Were it not for the Carleton Library Series, two generations of Canadians would probably not have been familiar at first hand with the primary intellectual documents of this country's history.

"There's not a single serious student of Canadian life and letters that hasn't used the Carleton Series in some way."

Despite its tremendous suc-

cess, however, the series has led a precarious life, losing its publisher on three separate occasions. Partly to assure that the series would continue, the Carleton University Press was established in 1981.

Now it, too, is becoming a success story for the University.

Says Dean of Social Sciences, Dennis Forcece, who has served as Acting President for the Press over the past year, "The Carleton University Press is one of our great accomplishments.

"People were willing to work hard, and the University was willing to take a chance. As a result, we created a major publishing venture on a shoestring.

"Today, this University has a viable university press with more titles that are important than any other university press in Canada outside of Toronto."

Established as a separate corporate entity with a loan from the University, the Press is managed by a Board of Directors consisting of: Carleton Vice-Presidents David Brown and Tom Ryan, Deans Dennis Forcece, Syd Wise and Naomi Griffiths, Director of Finance Jack Kettles and Professor George Haines (Business).

The Press receives annual grants from the

Canada Council and the Ontario Arts Council, and has close to \$100,000 in annual sales.

"It's not a profit-making venture," says Dean Forcece. "Any money we make goes back into new titles. Our objective is to break even."

He says it costs about \$6,500 to reprint a title, compared with anywhere from \$18,000 to \$26,000 to print a new title. Sales from reprints help to generate revenue to print new titles, but even still, new books must be subsidized by granting agencies such as the Social Sciences and Humanities Research

Council to help offset production costs.

There are just over a dozen University presses in Canada, with Carleton's being the newest. The Press is at a "crossroads" says Professor Gnarowski.

"We had a good year in '85, with sales double those of '84. I have a feeling we've turned a corner."

The story behind the phenomenal success of the Carleton University Press inevitably starts with the establishment of the Carleton Library Series almost 25 years ago.

The brainchild of Carleton Professor Robert MacDougall, it was conceived when, as Director of the Institute of Canadian Studies, he was able to convince Canadian publisher Jack McClelland of the need for the series in Canada. Under the arrangement, McClelland and Stewart were responsible for publication and distribution, while editorial control was vested in an editorial board at the University.

It was an arrangement that would last for a decade and a half, resulting in the publication of more than 100 volumes. But, by 1978, after McClelland and Stewart tried unsuccessfully

to obtain a subsidy to help finance the costs of publishing the series, the University was left looking for a new publisher.

First Macmillan of Canada took on the role of publisher, but after it was sold by Maclean Hunter, Gage Educational Press acquired the series.

"They tried to make a go of it," says Professor Gnarowski, "but quickly realized we really weren't their kind of series."

Finally, in 1981, the Carleton University Press was established to maintain the Carleton Library Series and to contemplate additional publishing ventures.

"That's just what we've done," says Dean Forcece.

He admits the first year was difficult — "We had all but disappeared from the marketplace."

One of the major factors helping to establish its presence

was an agreement with Oxford University Press of Canada to act as distributors for Carleton.

The arrangement works to Carleton's advantage because

Oxford has "a good, solid reputation in the academic marketplace," says Professor Gnarowski.

It's a unique undertaking in Canada for Oxford, says College Sales Manager Scott Burns.

"Although we do this in other countries, this is the only Canadian press we've picked up."

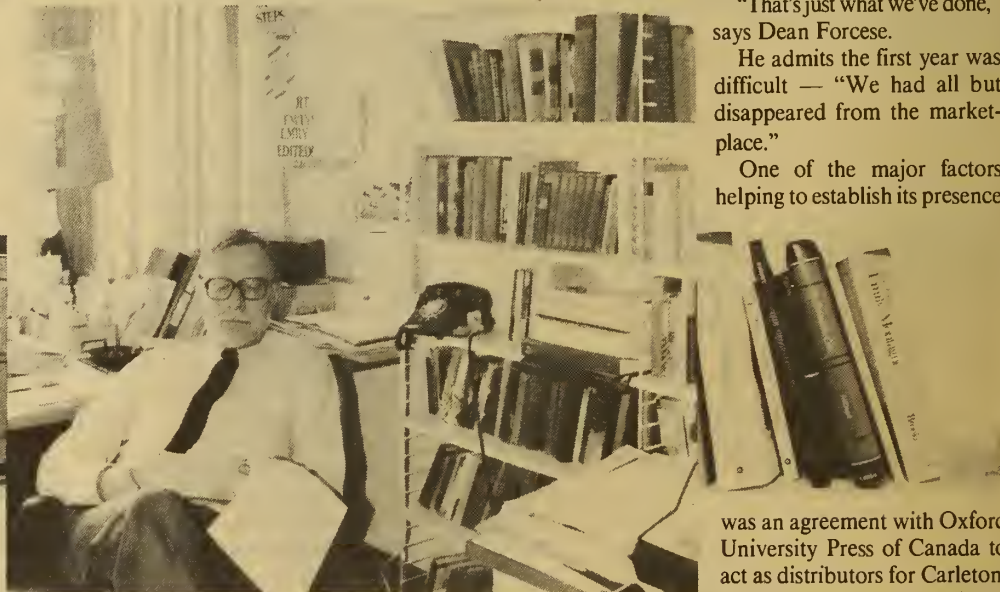
He says the decision to enter into an agreement with Carleton was based on several factors.

"The list complements our own here at Oxford University Press. . . has consistent sales for blacklist titles. . . and is highly reputable in terms of Canadian publishing."

He adds that the agreement has been working very well, with "substantial sales increases" over the past several years.

With interest in Canadian studies picking up in other countries, he notes that Oxford has also been able to give Carleton an international presence, making inroads in the U.S., Australia, and elsewhere.

Dean Forcece comments that plans are to increase from an average of six publications



Michael Gnarowski edits Carleton University Press from Arts Tower office.



annually to 12-14 books by 1990. In addition to publishing books in the Carleton Library Series, the Press publishes Carleton Contemporaries, dealing with more current issues, and has introduced a new series of general topics. It plans to go even further, by branching into science, engineering and business, and possibly textbook publications.

"Over the next five years, we want to become increasingly more visible in the marketplace," says Dean Forcese.

Professor Gnarowski, who's served as editor of the Library Series since 1972, is also the General Editor for the Carleton University Press.

He says books are generated in two ways: "either authors send a book to us because they want to see it under our imprint, or we ourselves decide that we would like to initiate a book."

Books are reviewed by the Press's own editorial board, and must pass through a series of rigorous reviews by paid readers before they are ultimately approved for publication.

"If our readers turn it down, it probably means the project is dead," says Professor Gnarowski.

Even an OK from the Press's readers doesn't guarantee the book will be published, though.

The manuscript is sent to one of the granting agencies (such as the Social Sciences and Humanities Research Council), which in turn send it to two or three readers.

"If they turn the book down, it will be in serious difficulty because we don't have the resources to publish on our own," says Professor Gnarowski.

"If they say OK, it usually gets published."

Depending on the complexity of the manuscript, the process could take anywhere from six to eight months, he says. About one in four proposals ends up being published.

"We consider 40 proposals to do eight or nine books," says Professor Gnarowski.

In total, close to 150 separate titles are owned by the Carleton University Press. They cover a range of topics and issues that go far beyond that first report of Lord Durham's.

Recent publications include:

*The History of Emily Montague*, by Mary Jane Edwards, the first book to be published from Carleton's Centre for Editing Early Canadian Texts;

*Taking Sex into Account*, by Jill Vickers, dealing with the policy consequences of sexist research;

and *The Poetry of the Forties*, by Trevor Tolley reviewing poetry in Britain in the 1940s.

New titles in Canadian history, and the early Canadian texts series are in the works for 1986.

The advantages to the University of a healthy press are inestimable.

As Dean Forcese puts it, "Every time a person picks up a title, what they're seeing is Carleton University. It can't be anything but good for the university that wants to be of national significance."

# Groulx Translated

Jules de Lantagnac may not be well known to most English Canadians, but in Quebec he's been a fictional hero to a generation of French Canadians.

Now for the first time, English Canadians can experience de Lantagnac's world, and the emotional and intellectual fervour that fuelled French Canadian nationalism.

*The Iron Wedge*, edited and with an introduction by Carleton Professor of French, Michel Gaulin, is the first-ever translation of

Lionel Groulx's enormously influential novel, *L'Appel de la Race*. First published in 1922, the book sparked an immediate controversy within Quebec, and confirmed Groulx's reputation as one of Quebec's most ardent and outspoken nationalists.

Published in the Carleton Library Series by the Carleton University Press, the book continues the emphasis of the series on publishing important intellectual documents of our country's history. It was translated by J.S. Wood (now retired from the University of Toronto), then edited by Professor Gaulin.

*L'Appel de la Race* was Groulx's first novel. It was written in a very stilted French, says Professor Gaulin, and as a result was very difficult to translate. Professor Gaulin's translated title comes from an earlier one Groulx himself had given the novel, and is based on an analogy found in the story itself.

While the novel may not be a literary masterpiece, Professor Gaulin says, "from an ideological point of view, it's very important."

"It's a landmark in terms of French Canadian nationalism."

Groulx intended the novel to serve as "nationalist propaganda," says Professor Gaulin.

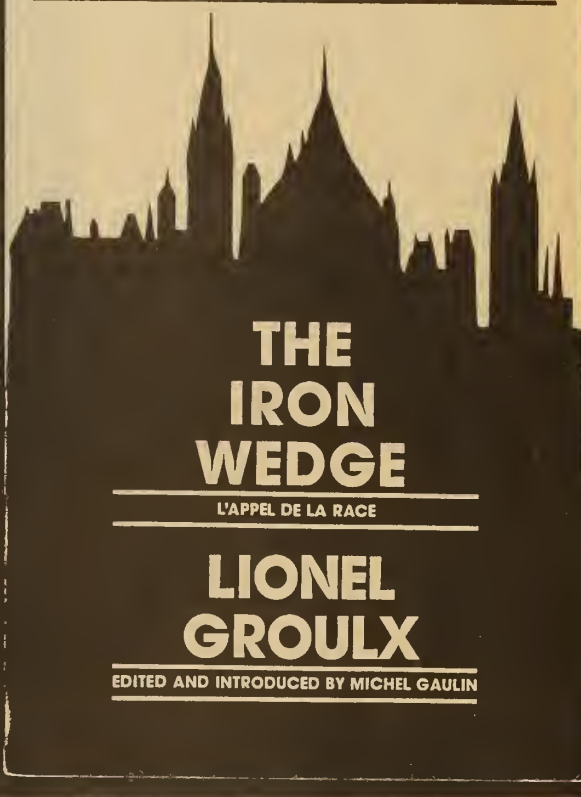
The novel is set in Ottawa during the Ontario School Conflict of 1915, when the Ontario legislature attempted to restrict the use of French in Ontario schools. This conflict creates the crisis that restores the novel's hero, Jules de Lantagnac, to his French Canadian roots. But at the same time, it destroys his marriage of 23 years to an English Canadian woman, and splits the loyalty of this four children between himself and his wife.

The book provides an opportunity for English Canadians to understand the forces that shaped French Canadian nationalism,

and should be studied in this context, says Professor Gaulin. He warns that Groulx does not hide his contempt for English Canadians in his writing.

A priest and a teacher, Groulx was best known as a historian who favoured the notion that Quebec society was "decapitated" by the English conquest. He wrote only three fictional works, which he saw as a "divertissement" and a way of reaching a broader audience, says Professor Gaulin.

Carleton Library Series



The book sold an incredible 10,000 copies in its first year, and had two reprintings in Quebec before Groulx died in 1967.



Michel Gaulin.

# The Medium vs. the Message

Imagine you've just invented a Rolls Royce, and there's not a single mile of road to drive it on.

Now you can imagine what it's like to be in Douglas O'Brien's shoes.

The Carleton engineering graduate (BEng/73, MEng/75) is one of the principal inventors of Telidon, and developed the videotex standard that has since been adopted by North America and recognized worldwide.

Telidon, heralded as the best videotex technology in the world, was supposed to be in everyone's home by now.

That prediction simply didn't happen because it was like expecting people to go out and buy cars before there were roads, or telephones before there were telephone lines, Doug says.

"It's taking a long time to build up the infrastructure for the information industry," he says.

But he adds, "It's natural for human beings to predict the future too quickly. On the one hand, the press reports what's sensational, and on the other hand, people who are involved in starting something new don't usually give pessimistic predictions."

And although Telidon may not be in your home today, he says, it is very much alive and well.

Usually regarded as an information system, with two-way communication abilities and great pictures, it is also the medium itself. Telidon, Doug explains, is the standard for coding pictorial information, as well as the information system that uses it.

That standard, now known as the North American Presentation Level Protocol Syntax (NAPLPS), is used throughout the computer industry for computer graphics programming.

The development of the standard originated here at Carleton, in Doug's Master's thesis, *Image: A Language for the Interactive Manipulation of a Graphics Environment*.

As a student at Carleton, Doug says he basically did an engineering-physics degree, although Carleton didn't actually offer such a program. He was interested in computer graphics, and starting working part-time in the Department of Communications while still a student here.

His part-time job eventually led to a full-time position, and by 1975, he was the Project Manager for the Telidon program, where he was one of the principal designers for the standard, and a chief negotiator in the process to have it accepted throughout North America and internationally.

"In my Master's thesis, I defined a code which would be a machine-independent way of describing graphics," he says. "This was the original work behind the standard which



Douglas O'Brien. "Telidon not understood by the media."

eventually became Telidon."

The Telidon system uses five geometric "primitives" to draw graphics: point, line, arc, rectangle and polygon. Enclosed objects may be either filled in or in outline.

Although the British and the French developed earlier videotex systems, they both used versions of a "mosaic" approach, that involved building images block-by-block.

The difference between the two systems is at once apparent. As one marketing agent commented, "An advertiser won't buy a 'mosaic' system. I can't sell a Pontiac J2000 using little blocks."

Writing the code was only one step in the development of the Telidon standard. The next was to get it accepted throughout North America and recognized internationally. Doug has been involved in the complex negotiations right from the start.

"We started working with AT&T to establish the standard based on Canadian field trials," he says.

"AT&T introduced some changes, then adopted what we had done. It meant that a North American consensus was developing.

"We developed a public and openly debated standard. . . added some changes. . . improved the system."

An Ottawa native ("My father knew the Carleton campus when it was called Hickey's

Bush"), Doug is married to Carleton alumna, Trudy Ostendorf, BAHons/73, CTESL/76, MA/76, and has two children.

He's now Vice-President of IDON Corporation, an engineering consulting firm. His partner, Herbert Brown, is the other principal inventor of Telidon.

Doug has twice received the Public Service Award for his work, and was recently awarded an Engineering Medal from the Association of Professional Engineers of Ontario.

NAPLPS has since come to be recognized as one of three international videotex standards (the European and a Japanese standard are the other two).

And, slowly but surely, videotex information systems are becoming more commonplace. Public access terminals are located in city information centres and hotel lobbies, and a Toronto-based company has successfully marketed a weather/farm report system to farmers throughout North America.

As Doug puts it, "People only buy things that are beneficial to them. The world is moving toward electronic information distribution. . . We are living in an information society.

"First, you have to build all the roads before you can sell the cars."



# Through the Years

64

Joyce Cavanagh-Wood, BA/64, BAHons/65, will be transferring to Guatemala in July

1986 to work as Program Manager (Social Affairs) at the Canadian Embassy.

65

Mike Burpee, BA/65, was appointed Regional Director, Southwestern Ontario Region, Excise Branch, Revenue Canada in September 1985.

Quintin Wight, BAHons/65, MA/73, is in West Germany on a posting from National

Defence Headquarters in Ottawa. He says the job is still new to him but involves travel over most of Europe.

Stan Zima, BA/65 (SPC), is on sabbatical. He spent the summer in Europe with his wife and family and visited relatives in Hungary and Poland.

66

Gary Kaiser, BSc/66, MSc/71, is Acting Chief of the Migratory Birds Division, Canadian Wildlife Service, Pacific and Yukon Region. He recently returned from North Borneo and the Philippines after participating in Interwader (World Wildlife Fund of Malaysia) - an investigation of coastal wetlands and migration of shorebirds. He is advising on the establishment of an international bird banding office in the People's Republic of China and Southeast Asia.

John M.A. McKay, BCom/66, is the father of Sonja (19) and David (18). He is self-employed as a management consultant and has recently relocated from Ottawa to Kingston.

Ron Nkomba, DPA/66, BA (Toronto), and his wife Elizabeth, daughter Jennifer, and son Ron Jr., are enjoying their new home in Lilongwe, Malawi. Ron Sr. is working as Secretary for External Affairs.

position was that of Deputy Permanent Secretary. He is now in private business as Managing-Director of Enenkonnye Enterprises which deals in distributive trade.

Gib Shouldice, BCom/66, has been appointed General Manager of the Canadian Egg Marketing Agency.

67

Judith Johnstone (Pay), BA/67, lives in Setauket, New York, and spends her time caring for three daughters; Mattie (7), Sadie (5) and Emmie (2). Judith would love to hear from former classmates if they are in the area.

68

Barry M. Ages, BA/68, BAHons/69, LLB/73 (Queen's), with his wife Abby and their two children, Naomi and Justin, have moved to Branchburg, New Jersey where Barry is involved in the construction industry.

Kenneth Leung, BCom/68, is Senior Vice-President of finance and administration for Olympia & York in Toronto.

Anthony M. Tattersfield, BA/68, opened the Ottawa office for Pannel Kerr Forster (continuing the practice of Campbell Sharp) in 1976. He says the office "contains a goodly representation" of Carleton graduates.

69

John Liston, MSW/69, has been appointed the Executive Director of The Family and Children Services of London and Middlesex, in London, Ontario.

E. Bruce McCallum, BCom/69 (SPC), assumed the position of Senior Priest at Christ Memorial Church in Oshawa on March 11, 1986. He has served in Lakefield for the past eight years.

## President's Perspective

by Murray Hunter, President  
Carleton University Alumni Association

This year for the first time ever, the Alumni Association will lend its voice to those of other Canadians seeking to assure an adequate level of support for university research and education.

We are doing this in two ways.

One, is to write personally to members of the Federal Cabinet noting the importance we feel should be attached to this matter. A

copy of our most recent letter is reproduced here.

The other way is to join a National Consortium of Scientific and Educational Societies, to add our weight to their efforts to assure appropriate levels of support for university research.

The support of all Carleton alumni is important to achieving a high priority for research funding. I welcome your views on this issue, and encourage you to write to your MP to express your personal concerns.



1986 06 10

The Right Honourable Brian Mulroney  
Prime Minister of Canada  
& Chairman of the Priorities and Planning Committee  
House of Commons  
Ottawa, Ontario  
K1A 0A6

Dear Mr. Mulroney

Thank you for your reply of January 21 to my letter of December 10, 1985, urging you to endorse the five-year plans of the granting councils that support university research: NSERC, SSHRC, and MRC.

We noted the Government's response to this issue in the February 26, 1986 Budget. We have had the opportunity to review the budget report and to consult with the academic community at Carleton University concerning the provisions that were made for research funding. We found their views to be very different from those expressed by the Government.

It is our opinion that this Government has given pure research a low priority. We are concerned, as well, that the requirement that additional private sector funding be directed to the Councils will mean that national research priorities will be set by the private sector, with its own specific interests in mind, rather than national goals and concerns.

The Carleton University Alumni Association has joined the National Consortium of Scientific and Educational Societies to lend our support to its efforts. As well, we are publishing our opinions in publications to Carleton alumni to assure they are informed as to our concerns on this important matter.

We urge you to review this situation closely, and to assure that Canada's respected scientific and educational research communities receive the support they need in order to meet the needs of Canadian society.

Yours sincerely

Murray Hunter, President  
Carleton University Alumni Association



**Allan Moscovitch**, BA/69, is an Associate Professor in the School of Social Work at Carleton University. He is married and has two children.

**Grant Ralph**, BEng/69, returned to Ottawa from Halifax, Nova Scotia, to take up the position of Software Manager for the Navy's new Canadian Patrol Frigate ships.

**John Travers**, BA/69, resigned from the RCMP security service in 1981 to join the corporate security department of NOVA, an Alberta corporation.

**Lynne Wilson (Conway)**, BA/69, is running an international network of freelance business writers as part of a business communications group. She is living in Maidenhead, Berkshire, England, with her husband, Ian Wilson, and six-year-old son, Nicholas.

## 70

**Fred DeRosa**, BA/70, underwent a successful heart transplant operation at the hospital at the University of Western Ontario in August 1985. He has fully recovered and is working as a copywriter at CHAB Radio in Moose Jaw.

**Jeremy R. Godfrey**, BA/70, has been appointed to the position of Manager, Personnel Security Clearance Group, within the E.N. Eneanya Ozumba, CPSS/66, retired from the Civil Service of the Anambra State of Nigeria in 1982 after 36 years. His last Security Branch of Supply and Services Canada.

**Mary McGregor (Bellefleur)**, BA/70, is a member of the Board of Directors of Junior Achievement and the Education Committee of the Ottawa-Carleton Board of Trade.

## In Memoriam

**Douglas James Drummond**, BScHons/69, MSc/70, died in Washington D.C., on September 20, 1985, as the result of an accident. He was 38. Doug was the Director of the Centre for Survey Statistics at Research Triangle Institute in Raleigh, North Carolina. At Carleton, he was a member of the Ravens hockey team, attaining the distinction of scoring the most goals for a defenceman and serving the most time in the penalty box. He is survived by his wife Linda (Bregg), who received her BSc from Carleton in 1969, and their children, Christopher and Allison.

**Robert Osborne**, a Professor of Religion at Carleton until his retirement last June, died in Victoria, British Columbia, on February 2. He was 65. A native of Sherbrooke, Quebec, Professor Osborne studied theology at McGill University. In 1953, he was ordained into the United Church of Canada, which he served with great distinction for 10 years. He completed Ph.D. studies in Edinburgh, and taught at Emmanuel College for seven years before joining the Department of Religion at Carleton in 1978. Professor Osborne was a specialist in New Testament studies, and won the OCUFA Teaching Award in 1978. He is

## 71

**Mike Collins**, BA/71, has been elected to the Niagara Regional Council.

**Bryan Crossfield**, BCom/71, was appointed to the position of Director, Washington Region, for Supply and Services Canada beginning August 1, 1985.

**Ken Gibson**, BCom/71, started a new job as Manager of Employee Relations at the National Research Council of Canada in May 1985.

**W. Keith McLaughlin**, BA/72, recently completed an MEd (Educational Administration) at the University of Alberta. He also holds an MLS which he obtained from the same university in 1978.

## 72

**Leo Tremblay**, BEng/72, a designated consulting engineer, has been named an associate of McNeely Engineering Limited. He is manager of the firm's Hawkesbury office.

## 73

**Henry S. Brown**, BAHons/73, MA/76, has become Executive Assistant to the Attorney-General of Canada and Minister of Justice, the Hon. John C. Crosbie.

**Christopher Bunting**, BA/73, has been appointed Managing Director of the Ottawa office of Continental Public Relations Limited.

**Charles B. Gordon**, BJ/73, BA (Concordia), has been appointed Vice-President of Corporate Affairs for Financial Trustco Capital Ltd. He is located at head office in Calgary.

**Doug O'Brien**, BEng/73, MEng/75, and his wife **Trudy (Ostendorf)**, BAHons/73, CTESL/76, MA/76, are pleased to announce

survived by his wife and four children: John of Victoria; David and Margaret of Ottawa; and Robert of Chicago.

**James Holmes**, Professor of Chemistry at Carleton until his retirement last June, died in Ottawa on March 17. He was 66. Dr. Holmes joined the Department of Chemistry at Carleton in 1948. He played a leading role in the development of the department, serving as its chairman from 1957 to 1973. A member of the Building Advisory Committee for eight years, he made a major contribution to the design and construction of the Steacie Building for Chemistry, which opened in 1965. During his 36 years at Carleton, Dr. Holmes was active in all aspects of University life. He served on both the University Senate and the Board of Governors, was chairman of the Carleton University Academic Staff Association for two terms, and Chairman of the Athletic Board for 12 years. He was a member of the advisory council that led to the re-establishment of the Alumni Association in 1984. Dr. Holmes is survived by his wife of 40 years, Helen, and by two children, John and Jean.

the birth of their second son, Keith Frederick, on October 7, 1985, a brother for Neil born June 28, 1982. Doug is Vice-President of IDON Corporation and recently won an Engineering Medal from the Association of Professional Engineers of Ontario. Trudy will return to the Centre for Applied Language Studies at Carleton in September 1986 as an instructor in English as a Second Language.

**Jeffrey Rochon**, BEng/73, and his wife **Nancy (Stone)**, BA/73, are pleased to announce the birth of a son, Eric Jeffrey, on December 10, 1985. Jeffrey has assumed the position of Manager, CF-18 Industrial Benefits, with the Department of Regional Industrial Expansion. Nancy will be returning to her position at Indian and Northern Affairs this summer.

**Jimmy Wong**, BSc/73, lives in Nepean with his wife Jenny and daughter Stephanie who was born November 7, 1985. Jimmy has been working for the Department of Labour, Occupational Health and Safety, as a Statistics Officer since 1973.

## 74

**Dave Boicey**, BScHons/74, BEd/75 (Queen's), lives in Orleans, Ontario, with his wife Jeanne and their two children, Colleen and Robbie. Dave is currently employed as a teacher with the Carleton Board of Education. **Patricia Bolla**, BA/74, BAHons/77, MA/80, completed her PhD in 1984 at the University of Western Ontario. She is on faculty at the University of Ottawa.

**Doug Connell**, BA/74, is a lawyer and chartered accountant practising in the taxation field with Touche Ross & Company in Ottawa. Doug and his wife Lu-Anne (Gibbons) have three children, Sarah (8), Matthew (5) and Chad (2-1/2).

**Larry Glassford**, MA/74, graduated from York University in November 1985 with a PhD in Canadian History. His thesis topic was *R.B. Bennett and the Conservative Party, 1927-38*.

**Daniel Savage**, BA/74, lives in Hamilton, Ontario, and has been the Library Director of Redeemer College for three years.

**Carol A. Stewart**, BA/74 (SPC), is a principal of Hopkins Stewart Associates, a management consulting firm, and Chairman of Fairlead Networks Inc. She is married to Ian and is the mother of Heather born in 1979, Karen born in 1980, and Victoria born in 1983.

**Vikki Warwick**, MSW/74, is a Supervising Social Worker working with cancer patients and their families at the Kitchener-Waterloo Hospital in Kitchener, Ontario.

## 75

**Alan Bolster**, BScHons/75, and his wife, Terri, are in Shrivvenham, England for the next year. Alan is with the Canadian Forces at the Royal Military College of Science attending an Army Staff course.

**Silvana Carlascio (Porco)**, BA/75, BEd/76 (Toronto), has been married to Pat Carlascio for five years. Silvana and Pat teach for the Sault Ste. Marie Roman Catholic Separate School Board.



**Michael Cochrane**, BA/75, is employed as legal counsel in the policy division of the Provincial Attorney-General's Office. He is married to Marilyn Stanley and has a young daughter, Emma, who is 17 months old.

**Brian Conlin**, BSc/75, is based in Vancouver B.C. as an associate with Golder Associates, Consulting Geotechnical and Mining Engineers.

**Dimitri Conostas**, MA/75, PhD/79 (Fletcher) is living in Greece with his wife **Xanthi Petriniotis** MA/77. He is Professor and Vice-Rector of International Relations at the Pantios Graduate School of Political Science.

**Rhea Crossfield**, MSc/75, spent five years in environmental consulting for Dares & Moore Ltd. in Toronto. She incorporated her own company (Crossfield Environmental Consultants Ltd.) in 1980 which does biological research and environmental impact studies for industry and government. She has also branched out into horticultural services for commercial offices including plant sales and design.

**Lynne Falls** (Cowe), BAHons/75, and **Robert**, BScHons/74 are pleased to announce the arrival of their third child Catherine MacArthur on December 30, 1984. Lynne has resigned from her position as Branch Manager of Pavement Management Systems Ltd.

**Diane Graham-Lynn**, BA/75, BEd/76 (Ottawa), and Steve announce the arrival of their second son Aaron Graham Hartley Lynn on January 8, 1986, at the Kingston General Hospital, a brother for Michael Stephen Lynn.

**Kathleen Hache** (Grant), BSc/75, and her husband, Martin, C.A., are pleased to announce the birth of their fifth child, Bridget Anne Michelle, on January 4, 1986, a sister for Laura, Mary Kate, Aimee and Vincent.

**Ron King**, BSc/75, married **Marlene Russo**, BScHons/76, in 1981. Ron is a Junior High School teacher with the Calgary Board of Education.

**Yenn Lee-Moorman** (Lee), BAHons/75, lives in Aylmer, Quebec with her husband Philip. They are pleased to announce the birth of their first child, Jesse Philip Vayngong, born on December 7, 1985.

**Mario Ongaro**, BA/75, and his wife **Deborah** (Lapointe), BA/75, are pleased to announce the arrival of their third child, Daniel James, born on September 9, 1985. Mario is employed as Controller for G.M. Gest Co. of Toronto.

**Rhonda Rovon**, BJ/75, formerly with *Canadian Living* magazine, is now a Senior Editor at *Chatelaine* in Toronto.

**Merrill Smith**, BA/75, is married to Gina Dunn. They have two children: Geoffrey, born June 11, 1983 and Kevin, born February 1, 1986.

**Eliseo Temprano**, BA/75, is in charge of the volunteer Far East Advisory Committee for the Ottawa-Carleton Economic Development Corporation.

**Susan Tyrrell**, BA/75 (SPC), BAHons/76, MLS/78 (McGill), and her husband **Brian Mills** are pleased to announce the birth of



Geology alumni in Calgary got together on March 25 at the instigation of department stalwarts, George Skippen and Jack Hogg. Pictured here are (l-r) Alan Bishop, Peter Goetz, Lee Tremblay, Keith Bottriell, Randell Stephensen, and Frank Chappell.

their daughter, Rosanne Marie, on August 2, 1985. Susan is a librarian at Alberta and Southern Gas Co. Ltd. in Calgary.

**76**

**Rick Blake**, BA/76, moved back to Calgary from Edmonton last year to take up employment with Esso Resources. He would enjoy hearing from other alumni who live in "Stampede City".

**Brian Clark**, BScHons/76, is now Head of the Data Acquisition Systems Unit in the Aerospace Meteorology Section of the Atmospheric Environment Service. The section is responsible for design and operation of readout systems for weather satellite pictures.

**David Newman**, MA/76, BA (Trent), is married to **Alice Johnston-Newman**, MA/77, CTESL/79. They have three children: Samantha (5), Jennifer (3), and Alexander (1). David spend the last few years on Parliament Hill, two years in Regina working for a Saskatchewan crown corporation, and two years as Vice President of a small hi-tech company. He is now working at Ashbury College.

**Marlene Russo**, BScHons/76, married **Ron King**, BSc/75 in 1981. She was called to the Bar in July, 1985.

**David Vavasour**, BA/76 (SPC), MDiv/79 (Western), was appointed to the position of Associate Priest-In-Charge at St. Paul's Anglican Church in Toronto commencing January 1, 1986.

**Lori Ylimaki** (Pappas), BA/76, lives in Thunder Bay, Ontario with her husband Marvin and son Christopher Leonard, born August 17, 1984.

**77**

**Andrew Gravely**, BAHons/77, is working as an Executive Recruiter in Toronto. He is an export agent specializing in the Japanese market.

**Donald R. Howson**, BSc/77, BCom/80, is living in Paris, France, working as an APL applications specialist for the International Energy Agency of the Organization for Economic Cooperation and Development. He expects to be there for three years.

**A. Joshua Lederman**, BA/77, and **Michele (Lerner)**, BA/83, announce the birth of a baby boy, Efraim Barak, in May 1985. Joshua recently accepted a position of Executive Director of the Canadian Associates of the Ben-Gurion University in Toronto after spending three years in Alberta.

**Sheila Levitin** (Bruce), BScHons/77, BEd/85 (Ottawa), has been the Assistant Executive Director of the Youth Science Foundation since August 1985.

**James McLarnon**, BA/77, and his wife, **Lynn (McKenna)**, BA/77, are pleased to announce the birth of their son Matthew Thomas on June 3, 1985.

**Flo McLellan**, BA/77, has been Area Sales Manager, Ontario Business Products Division at Northern Telecom since April 1985.

**Xanthi Petriniotis**, MA/77, is married to **Dimitri Conostas** MA/75, PhD/79 (USA). She is Assistant Professor (Economics) at the Pantios Graduate School of Political Science in Athens, Greece.

**John J. Rossiter**, BCom/77, is pleased to announce the birth of his first child (a baby girl) on September 29, 1985.

**Neil H. Wellington**, BA/77 (SPC), was appointed to the position of Manager, Construction Equipment and Building Maintenance, within the Scientific, Electrical, Mechanical and Construction Products Branch of Supply and Services Canada.

**78**

**Shane Edwards**, BAHons/78, MA/82, received a degree in law from the University of Ottawa in June 1985, and is articling with the Legal Department of the City of Ottawa.



He is married to Margaret and has one son, Tighe. They are living in Carleton Place.

**Kathleen Jarvis**, BA/78 (SPC), recently returned to Vancouver from a trip around the world.

**Byron Landry**, BEng/78, and his wife Heather Wishart, are pleased to announce the birth of their first child, Kathryn, on November 24, 1985. Byron has recently been appointed to the position of National Energy Coordinator for the Association of Consulting Engineers of Canada.

**Douglas D. McLennan**, BScHons/78, PhD/83 (Georgetown), is working as Senior Research Physicist in the Applied Physics Laboratory of Johns Hopkins University.

**Sharon Menzies (Wilson)**, BAHons/78, MDiv/81 (Toronto), and Bob are pleased to announce the birth of Andrew Michael at St. Boniface Hospital in Winnipeg on January 29, 1986, a brother for Erin Leigh.

**Mark Munro**, BArch/78, BA/71 (UBC), is pleased to announce the birth of his first child, Christopher, on February 7, 1986. Mark is with John Hollifield Architect in Vancouver.

**Julia Naczynski**, BJ/78, formerly City Hall reporter with The Chatham (Ontario) *Daily News*, has joined the London *Free Press* as a general assignment reporter.

**Philip J. Piazza**, BArch/78, began architectural practice in March 1985 in Ottawa under the firm name Philip Piazza Architect.

**Nancy Smith**, MA/78, was re-elected Alderman for the St-Georges district for the City of Ottawa.

**Fred Stoddard**, BScHons/78, received his PhD from the University of Cambridge in 1985. His research in pollination of the field bean (*Vicia faba L.*) was done at the Plant Breeding Institute in the area. He is now living in southern Australia where he will continue his studies as a Research Fellow of the University of Adelaide.

**Ramy Szekely**, BEng/78, has moved back to Canada after working in Israel for seven years. He is employed by Canadair in Montreal in the aerodynamics field.

**Jeffrey B. Wellman**, BEng/78, is working in the Perth Hose Plant as Plant Engineer for Aeolquip (Canada) Inc. He is living in the Almonte area.

## 79

**Brad Abbott**, BArch/79, is client services consultant in architecture and engineering systems with the Ontario CAD/CAM Centre, which is a part of the Ontario Centre for Advanced Manufacturing.

**Stephen Armstrong**, MA/79, is married and lives in Toronto, Ontario. Stephen became a father for the first time on October 14, 1985, with the arrival of a son, David Jackman.

**Francis Asike**, MA/79, was married in December 1983 at Onitsha, Nigeria. She has two children, a boy and a girl.

**Shelley Civkin**, BAHons/79, MLS/83 (UBC), recently left her job in Winnipeg as a Children's Librarian and moved back to Vancouver.

**Peter S. Croal**, BScHons/79, has been working with the Department of Indian and Northern Affairs in Toronto as a geologist for the last four years. He recently transferred to Ottawa to assume the same duties and says he would like to hear from any classmates.

**Cheryl-Rosa Doran**, BA/79, LLB, BCL (McGill) was called to the Quebec bar in November 1985.

**Maryl Ennis**, BA/79, is working as a photographer-reporter for *The Gazette* in Almonte, Ontario.

**Sarah-Maria Gough (March)**, BScHons/79, obtained a degree in computing science from Dalhousie University. She is married and working as a systems analyst in Halifax, Nova Scotia.

**Stuart Jeffrey**, BA/79, was promoted to the rank of Major in July 1985. He moved to CFB Moose Jaw and assumed the position of Base Supply Officer in August 1985.

**Kevin Mercer**, BAHons/79, is an assistant administrator of Bonnechere Manor in Renfrew, Ontario.

**Wendy Rajala**, BJ/79, has been appointed Vice-President, Public Relations of Interact Communications Inc.

**Yarema Shulakewych**, BArch/79, and his wife Slavka have three children; Illarion (8); Lada (5) and Oresta (2). Yarema recently opened an architectural firm with two interior design associates and a Carleton graduate/colleague.

**George M. Suffidy**, MA/79, was appointed to the position of Director, Pacific Region Supply Centre, of Supply and Services Canada.

**Barbara Wade**, BAHons/79, MA/80 (Toronto), is a Toronto freelance writer and researcher at *Maclean's* magazine. She has written articles for *Maclean's*, *Financial Post* magazine and newspaper, *Goodlife*, *Books in Canada* and others. She married Jonathan Rose in 1985.

## 80

**Scott A. Bradley**, BA/80, graduated from the University of Pittsburgh School of Law in May 1985, and was admitted to the Pennsylvania Bar in October 1985. He is clerking for a judge in the Court of Common Pleas in Washington, Pennsylvania.

**Stephen Cogan**, BA/80, MA/84, BAHons/83 (Trent), is a writer at NBC Radio News in New York.

**Ronald E. Davis**, BCom/80, has been appointed a field sales manager at Arkwright-Boston Manufacturers Mutual Insurance Co., a supplier of risk management services. He is based at the company's Toronto district office.

**Lisa Emberson (Whyte)**, BMus/80, MLS/83 (Western), is working at the National Library as a music cataloguer.

**Deborah Ferguson-Thorne**, BA/80, has been appointed Regional Director of Sales for Hilton Canada Inc., based in Ottawa.

**Carolyn Goddard (Thompson)**, BA/80, is married to David Goddard and has three children. They recently moved to London, Ontario. Carolyn would like to hear from

people who lived on "Fourth" Renfrew in 1977-78.

**Bill Ingham**, BCom/80, is working as Accounts Manager for White & Sons, a large local supermarket, in Bermuda.

**Therese Jelinski (Jarzab)**, BJ/80, and her husband Tim are pleased to announce the birth of their second child, Cameron Jon, on August 10, 1985, a brother for Michelle. They live in Prince Albert, Saskatchewan.

**John Laratta**, BCom/80, and his wife, **Margaret Melhorn**, BAHons/80, MA (Alberta), are pleased to announce the birth of their first child, Peter Kurt, on December 4, 1985. John is a Chartered Accountant and is working for the Department of Finance of the Northwest Territories in Yellowknife.

**Robert Lauriston**, BA/80, BMus/85, is studying popular music in a Master of Fine Arts program at York University.

**Michael McSweeney**, BA/80, was elected Alderman for the Canterbury district for the City of Ottawa.

**Margaret Melhorn**, BAHons/80, MA (Alberta), and her husband **John Laratta**, BCom/80, are pleased to announce the birth of their first child, Peter Kurt, on December 4, 1985. Margaret is an economist and is working for the Department of Finance of the Northwest Territories in Yellowknife.

**Pamela Pavlik**, BJ/80, is an Information Officer at the Royal Victoria Hospital. Previously, she was an announcer and reporter with CJAD Radio in Montreal.

**J. Scott Thomson**, BA/80, spent four months at Case Western Reserve University in Cleveland, Ohio, as a participant in the Canada-U.S. law exchange program. Scott graduated from the University of Western Ontario Law School in April 1986, and is articling with Winkler, Filion and Wakely in Toronto.

## 81

**Ray Dean**, BA/81, married **Cheryl Zurawski**, BJ/81, in 1984. He is in his first year of law school at the University of Victoria.

**John Hutchinson**, BA/81, BMus/83, has been overseas most of the time since graduation. He is working as House Manager for The Directors Table in London, England. He has been a Legal Examiner in London, a butler for millionaires in the West Midlands, U.K. and had a short stint as Music Teacher in Varmalid, Iceland.

**Ian McMaster**, BA/81, is currently enrolled in the fifth level of the CMA program. He is also working towards a Masters degree in Business Administration on a part-time basis.

**Ann Murphy**, BJ/81, married **Stephen May**, BAHons/83, on July 20, 1985, in St. John's Newfoundland. Ann is a news announcer at CJSB, a radio station in Ottawa.

**David Nabi**, BCom/81, was appointed Managing Partner of D. Nabi Management Consultants when they merged with Bytown Marketing Consultants in December 1985. He spent four months last summer/fall travelling through Canada, United States and Mexico. David would like to hear from other



commerce grads of 1980 or 1981 to organize a reunion.

**Cheryl Zurawski, BJ/81**, married **Ray Dean, BA/81**, in 1984. They are living in Victoria. She works as a consultant in public affairs with the British Columbia Ministry of Consumer and Corporate Affairs.

82

**Christine Boychuk, BJ/82**, married **Stephen Jenkins** on October 2, 1985, and they live in Ottawa, Ontario. Stephen is a Systems Analyst, and Christine is working in public relations as a Bicycle Education and Safety Co-ordinator.

**Rebekah Chevalier (Connor), BJ/82**, became Associate Editor of the Division of Communication for the United Church of Canada in August 1985. Her main duties are editor of both a children's and a youth magazine. Previously she was assistant editor of three Maclean Hunter business magazines in the fields of health and science.

**Anne-Marie Clark, BA/82**, married **John McMunagle, BA/82**, on June 1, 1985. Anne-Marie recently graduated from Queen's and is currently articling with an Ottawa law firm, Soloway Wright Houston Greenberg and O'Grady.

**Kim Dixon, BJ/82**, was formerly an Information Officer with Brandon University. She recently moved to Winnipeg to take up the position of Director of Public Relations with the Manitoba Heart Foundation.

**Stephen Lee, PhD/82**, is Head of the High Polymeric Materials Laboratories with the Department of National Defence in Ottawa. He has recently returned to the laboratories from 10 months on French language training. **John McMunagle, BA/82**, married **Anne-Marie Clark, BA/82**, on June 1, 1985. John is a recent graduate of Queen's University and is currently articling with an Ottawa law firm, Karam Greenspon.

**Peter Ronald, BA/82**, writes to say he is raising vegetables in British Columbia.

**Edward Saxe, BA/82**, married **Linda Ornstein** on March 20, 1986.

**Dale Sheehan, CLES/82, BA/83**, has resigned from the position of Security Supervisor at The Bay and joined the RCMP as Constable.

**Yolanda M. Sutherland (Vandergeest), BScHons/82**, was married to **Brian A. Sutherland, BEng/83**, on June 25, 1983. They are expecting their first child in July. After graduating, Yolanda was hired by the Canadian Red Cross research laboratory in Ottawa to do research on help for hemophiliacs.

**Patricia Thornton, BA/82**, went to Algonquin College for Radio TV Arts after graduation from Carleton. She began working for the CBC in 1984 and is now with The National in Toronto.

**Linda Tyrrell (Rose), MSW/8**, was recently promoted to the rank of Major in the Canadian Armed Forces. Linda now works in Halifax, Nova Scotia, as Regional Social Work Officer responsible for social work services for all of the military members and their

# Residence Reunion

1987 will mark the 25th anniversary for Carleton's residence community, and a group of former Carleton Res students are in the midst of planning a 25th anniversary celebration and reunion for August 1987.

Are you interested in helping out? Do you have any novel ideas for our planned weekend celebration?

If so, please write to us, and include your name, address, telephone number, years you were in residence, floors, and what you would like to do, or list your ideas (i.e. sports, pubs, tug of war, souvenir program, etc.) and send them to: Residence Reunion, Box 25, Carleton University Residence, Ottawa, Ont. K1S 5B7.

We are also interested in the names and addresses of other Res alumni. Please send their names along with yours so we can begin to develop our mailing list.

dependents in the Maritime provinces.

**Thomas Ullyett, BAHons/82**, studied law at the University of Ottawa for three years after graduation at Carleton. He is articling with the Government of Yukon in Whitehorse.

**Wendy Vineyard, BJ/82**, lives in Calgary, Alberta, and has been married to Mike Strobel since July 28, 1984. Wendy is a freelance photographer/writer for the *Calgary Herald*, *Alberta Farm & Ranch* magazine and the *Alberta Report*.

83

**Bob Anderson, PhD/83**, is a Research Scientist with the Geological Survey of Canada. He is currently working on field projects along the Alaskan Panhandle in northern British Columbia.

**Nancy Boyle, BJ/83**, is the Associate Producer of the daily current affairs program "Mainstreet" on CBC Radio in Halifax.

**Rebecca Burwell, BSc/83**, is working for Xerox in their Palo Alto Research Center. Before this, she worked at Dy-4 Systems Inc. in Ottawa.

**Sharon Crawford (Kelly), BCom/83, BED (Queen's)**, married **Gary Crawford** on August 24, 1985. They live in Regina, Saskatchewan, where Sharon is teaching and Gary is a research metallurgical engineer with IPSCO.

**Patricia DeSchiffart (de Kleine), BA/83**, is pleased to announce the birth of identical twin boys, born on September 26, 1985. She was previously working for the Employment and Immigration Commission in Prescott.

**Patricia Jane Duncan, BA/83**, is employed as Special Assistant, Constituency Affairs, to the Honourable Erik Nielsen, Deputy Prime Minister, Minister of National Defence and Member of Parliament for the Yukon.

**Douglas Hancock, BA/83**, is in third year of an LLB program at the University of Toronto. He plans to article with Keyser, Mason, Ball, Coleman & Lewis in Mississauga for a year. In June 1985, he was appointed a director of Pentacle Petroleum Resources Inc., a public oil and gas company.

**Myron Michael Karpiuk, BAHons/83, BEd/85 (Lakehead)** is working in the French immersion program for the Lakehead District Roman Catholic Separate School Board.

**W. Chris Martin, BA/83**, is a senior editor

on the board of the *Ottawa Law Review*. He will be graduating from Law School at the University of Ottawa in the Spring of 1986 and plans to take up an articling position with the Department of Justice in Ottawa.

**Stephen May, BAHons/83**, married **Ann Murphy, BJ/81**, on July 20, 1985 in St. John's Newfoundland. Stephen is a second year law student at the University of Ottawa and has just accepted an articling position with a St. John's law firm.

**Greg Poehlmann, BA/83**, and his wife, **Judy** are living in Shilo, Manitoba. Greg is an officer in the 3rd Royal Canadian Horse Artillery in the Canadian Armed Forces.

**Rita Ryan, BA/83**, is working as a reporter-photographer for *The Mercury* in Renfrew, Ontario.

**Brian A. Sutherland, BEng/83**, married **Yolanda M. Sutherland (Vandergeest), BScHons/82**, on June 25, 1983. They are expecting their first child in July. After graduation Brian was hired by the Communications Research Centre in Shirley's Bay, Ontario to do research on space electronics and digital signal processing. In May 1985, he returned to Carleton to do graduate studies in electronics and is completing his Master's thesis.

**Dale Keating Tiller, BAHons/83**, was awarded an IODE War Memorial Scholarship for \$11,000. He is at Oxford working toward a D.Phil. degree. His general field of study is developmental psychology.

**Steven Totosy De Zepetnek, MA/83, BEd/84 (Ottawa)** is completing his second year of a PhD program in Comparative Literature at the University of Alberta. He is also teaching German and English as a Second Language for the University of Alberta and the Edmonton Board of Education.

**Kathleen Wootton, BA/83**, graduated in May 1985 with a Diploma in Applied Linguistics from the University of Victoria. She is now teaching English as a Foreign Language in Spain.

84

**Connie Ahmed, BA/84, BA/85 (York)**, is completing Master of Laws at the Centre for International Human Rights Law in England, University of Essex. She spent sessions studying at the Hague Academy of International



Law and the International Institute of Human Rights at Strasbourg, Council of Europe.

**Nicholas Briggs**, BSc/84, is working for Xerox in their Palo Alto Research Center. He has been there since December 1984.

**Nancy Colbert**, BA/84, BAHons/85, is continuing her studies in the faculty of law at the University of Alberta in Edmonton.

**Mike Dixon**, BScHons/84, is currently pursuing a PhD in Computer Science at Stanford University.

**Ron Edwards**, BCom/84, is taking a Continuing Education course in French and plans to go back to school in the Fall of 1986.

**Bruce C. Fisher**, BA/84, married **Joanne Marie Willms** BJ/84, on September 22, 1985. Bruce is an Intelligence Technician with the U.S. Army at Ft. Bragg, North Carolina.

**Lynn Herzeg**, BJ/84, is working as a television reporter for CBC in Moncton, New Brunswick.

**Chris Johnson**, BJ/84, has been appointed Coordinating Director for the Board of Directors of the Quinte Arts Council.

**Zaizakrani Mohd-Salleh**, BSc/84, returned home to Peninsular Malaysia after graduation. In August 1985 he moved to Sarawak in East Malaysia to work with Sarawak Shell Berhad as a wellsite Petroleum Engineer. He attended a three-month course in the Hague in Holland which began in January 1986.

**Mavis Morton**, BA/84, BAHons/85, is doing her Master's degree in Sociology at York University in Toronto.

**Michael Paddison**, BA/84, received a Certificate in Theology from St. Paul's University in Ottawa in 1985. He is enrolled in a Master's program in individual and marital counselling at the same university.

**Mary Shantz (Rae)**, BAHons/84, MA (Guelph), is living in Toronto with her husband, **Cameron**, BArch/85.

85

**Della Berwanger**, BScHons/85, is enrolled in the Masters program in Earth Sciences (Organic Geochemistry) at the University of Waterloo.

**Sean Adam Bittle**, MA/85, BESC (Western), is continuing his studies as a scholarship student at the University of Western Ontario in the School of Business Administration.

**Mark Bunting**, BArch/85, was involved with a project to revamp a portion of Trafalgar Square in London, England. Of 287 entries in the competition, his design was chosen in a short list of nine firms to continue through the second phase of the contest.

**Daniel Burke**, MA/85, was appointed to the position of Manager, Sponsor Program Group, Canadian Government Film & Video Centre, for Supply and Services Canada.

**Saul Chernos**, BJ/85, is working as a reporter for *Paris This Week* in Paris, Ontario.

**Colin Graf**, BJ/85, is taking up residence in Geneva for a few months to travel and continue working as a freelance journalist. He has been living in Sarnia for the last year freelancing for local papers, the *Toronto Star* and

*Globe and Mail*. He would welcome any word from old classmates.

**Kathryn Hendrick**, MA/85, is writing freelance articles on the north and researching the education needs of Labrador's Inuit natives. She married **James Hutchinson**, the coastal doctor for Labrador.

**Gary Lowe**, BEng/85, is currently working as a programmer/analyst for Mutual Life of Canada in the Computer Systems Department. He'd like to say hi to all the "Systems Gang" of '85.

**Karen Martin**, BJ/85, is a reporter for *Northern Life* in Sudbury, Ontario.

**Bevin Schmidt**, BID/85, won a competition through the Department of Regional and Industrial Expansion for six of his innovative designs. He has designed a sailboard that glides on snow and a fail-safe lock geared to an arthritic's hand.

**Bonnie Shulman**, BJ/85, is employed as a translator with Guaranty Trust Company of Canada. She is also studying translation at Concordia University in Montreal in a Bachelor of Arts program.

**Michelle Tessier**, BJ/85, is working as a reporter/photographer with *The Equity* in Shawville, Quebec. Prior to this, she worked as a secretary for three months in London, England.

**Patricia Tully**, BAHons/85, is completing an MA in Education Measurement at the Ontario Institute for Studies and Education at the University of Toronto. She plans to move back to Ottawa this summer.

## News & Moves

Take advantage of the services and benefits available to Carleton alumni by maintaining your current address with the Alumni Relations Office. Simply fill out and return this coupon to the address below. We're looking forward to hearing from you.

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Title first name last name previous name

Degree Major Year of graduation Alumni I.D. (from mailing label)

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province/country postal code telephone

### BUSINESS ADDRESS

position company

street city telephone

### PERSONAL NEWS

This space is for your comments. Let us know what you think about the *Alumni News*, and about alumni programs you'd like to see offered.

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# CANADIAN LANDSCAPES

*Images of Canada by Peter and Traudl Markgraf*

Acknowledged by their peers and by collectors as outstanding silk screen artists, Peter and Traudl Markgraf have produced many beautiful images of Canada.

Each of the nine images offered here is marked by exceptional expertise in shading and flawless screening technique.

Each of these images was a sellout in its original form.

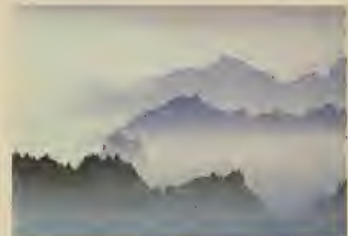
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A Low Tide



B Summer Morning



C Sakinaw Lake



D Early Frost



E Summer Rain



F Cove



G Port Moody



H Indian Summer



I Sunday Night

A

B G H

C F

D E I

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